

**U.S. Patent No. 10,019,136 – Samsung
Claims 1-17 and 19-30**

Boccone, L.L.C. (“Boccone”) accuses Samsung¹ of infringing claims 1-17 and 19-30 of U.S. Patent No. 10,019,136 (hereinafter “the ‘136 Patent”). Boccone provides the following claim chart pursuant to Eastern District of Texas Local Patent Rules. *See Exhibit 1.*

Pursuant to Local Patent Rule 3-1, this claim chart provides Samsung’s notice of identified instrumentalities (including “the Accused System”) as described in ¶ 10 of the Complaint and identified in the Patent Rule 3-1 claims chart that incorporate or reflect the recited claim elements. This claim chart is not intended to be an expert report on infringement or provide detailed analysis of the claim terms or infringement. This claim chart includes information related to an assertion of infringement with respect to identified Samsung products and services, including diagrams, web page screenshots, and other documentary evidence by way of example and not by way of limitation.

The asserted claims include elements that are implemented, at least in part, by instrumentalities described in confidential information not accessible to Plaintiff. In some instances, the precise processes and algorithms used are, at least in part, not publicly available. An analysis of Samsung’s (or other third parties’) technical documentation and/or software source code may be necessary to more fully identify all infringing features and functionality. Accordingly, Boccone reserves the right to supplement these contentions once such information is made available to Boccone. Furthermore, Boccone reserves the right to revise these contentions, as appropriate, upon issuance of the Court’s Claim Construction Order.

Samsung makes, uses, sells, imports, or offers for sale in the United States, or has made, used, sold, imported, or offered for sale in the past, without authority, products, equipment, or services that infringe claims 1-17 and 19-30 of the ‘136 Patent, including without limitation, through use of Google Photos, and as described by way of example in ¶ 10 of the Complaint, for, among other things, sharing and storing data. The claim chart refers to the Accused System and the aforementioned products are included in (or can operate in conjunction with) the Accused System, as noted in the claim chart. To the extent the below claim chart relies on evidence for the Accused System, Boccone asserts that, on information and belief, any similarly-functioning system also infringes the charted claim. Boccone reserves the right to amend these infringement contentions with other products made, used, sold, imported, or offered for sale by Samsung. Boccone also reserves the right to amend these infringement contentions by citing other claims of the ‘136 Patent, not listed in the claim chart, that are infringed by the Accused System. Boccone further reserves the right to amend these infringement contentions by adding, subtracting, or otherwise modifying content in the “Accused System” section.

¹ Defendants Samsung, Samsung Electronics Co., Ltd., and Samsung Electronics America, Inc. (collectively, “Samsung”).

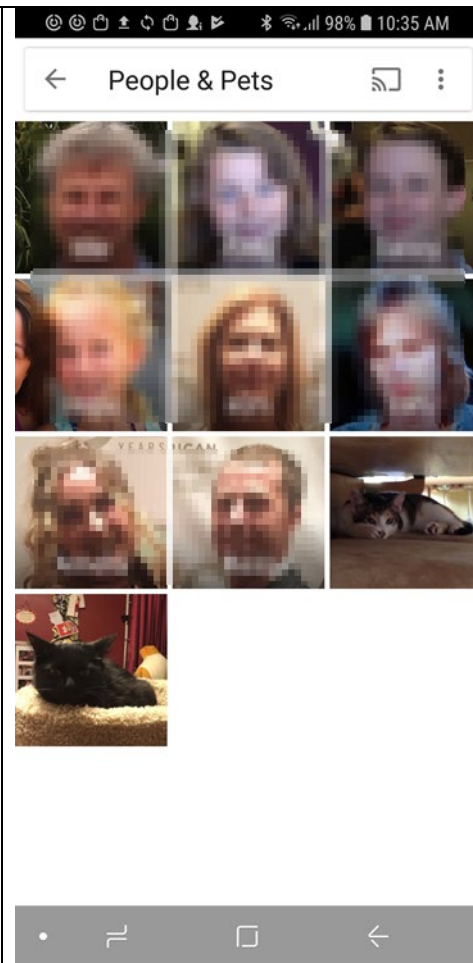
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To the extent there are any differences between the accused instrumentalities and the following claim elements, any such differences are insubstantial and are alleged to infringe under the doctrine of equivalents.

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Claim 1	Accused System (emphasis or labels added)
<p>A device, comprising: a screen; an input mechanism; at least one non-transitory memory storing instructions; and one or more processors in communication with the screen, the input mechanism, and the at least one non-transitory memory, wherein the one or more processors execute the instructions to cause the device to:</p>	<p>Samsung sells a variety of smartphones and tablets (e.g., Samsung Galaxy S10, Galaxy Note, Galaxy Tab, etc.) having Google Photos installed (“Samsung Devices”). Each of Samsung devices includes a screen (i.e., the screen of the device, etc.), an input mechanism (i.e., the touchscreen circuitry enabling touch-based input with the screen, etc.), a hard drive or other non-transitory storage medium (e.g., the 128GB or 512GB hard drive for the Galaxy S10, etc.), and a processor (e.g., the “8 nm 64-bit Octa-Core Processor, 2.73 GHz (Maximum Clock Speed) + 2.31 GHz + 1.95 GHz” or “7 nm 64-bit Octa-Core Processor, 2.84 GHz (Maximum Clock Speed) + 2.41 GHz + 1.78 GHz”). The processor is in communication with the screen, the input mechanism, and the non-transitory medium, i.e., by executing the apps (e.g., Google Photos, etc.) and an operating system installed on Samsung devices.</p>
<p>display, utilizing the screen of the device, a plurality of indicia each including at least a portion of an image including a face;</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, a plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) each including at least a portion of an image including a face;</p>

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“Search your photos


1. On your Android phone or tablet, open the Google Photos app .
2. Sign in to your Google Account.
3. In the box at the top, type what you want to find, for example:
 - New York City
 - For people or pets you’ve labeled: their name/label.

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	<p>Find photos of a person or pet & apply a label</p> <hr/> <p>Use <u>face groups to more easily search and manage your photos</u>. After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p> <p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none"> 1. On your Android phone or tablet, open the Google Photos app . 2. Sign in to your Google Account. 3. At the top, tap the search bar. <u>You'll see a box with faces.</u> 4. <u>Tap a face to see more photos of them.</u> To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none"> 1. At the top of a face group, tap "Who is this?" 2. Enter a name/label. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
<p>receive, utilizing the input mechanism of the device, a user input indicating a selection of at least one of the plurality of indicia including at least a portion of a first image including a first face;</p>	<p>Samsung devices are configured to receive user input (e.g., a user-instigated touch event, etc.) indicating a selection of one of the photos displayed on the device (i.e., a selection of at least a portion of a first image including a first face, etc.). Samsung devices are configured to receive the user input utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.):</p>

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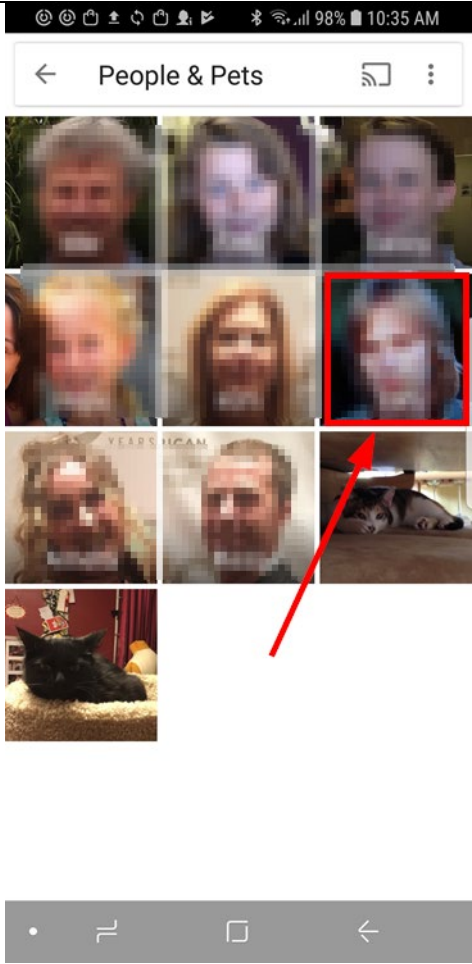
	
<p>after receiving the user input indicating the selection of the at least one of the plurality of indicia, display, utilizing the screen of the device, a set of images each including the first face that has been recognized in at least one of a</p>	<p>After receiving the user input indicating the selection of one of the images including a face (i.e., the at least one of the plurality of indicia, etc.), Samsung devices are configured to display a recognized face from the selected image. Samsung devices are further designed to display, using the screen of the device, a set of images, each including the recognized face:</p>

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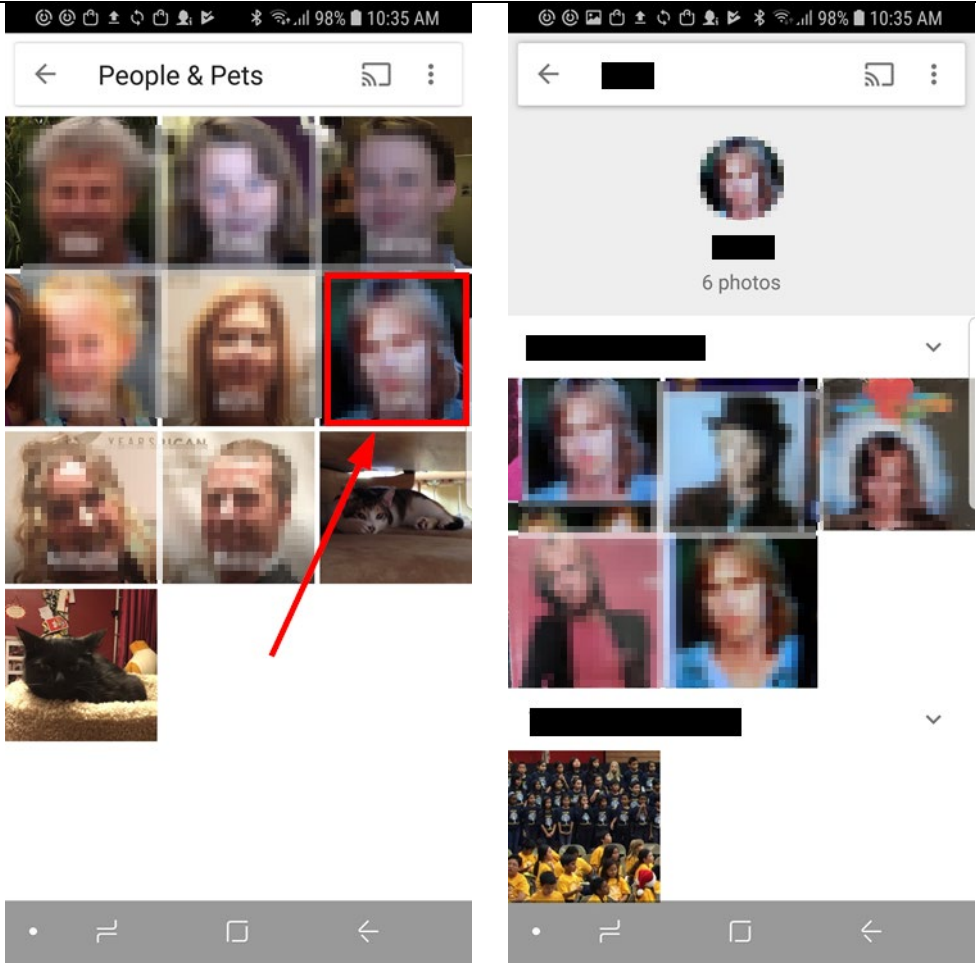
<p>plurality of images accessible via the device;</p>	
<p>display, utilizing the screen of the device, a plurality of suggested identifiers for the first face;</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, a list of potential contact names (i.e. a plurality of suggested identifiers, etc.) to match with the face in the selected image (i.e., the first face, etc.):</p> <p><u>Find photos of a person or pet & apply a label</u></p> <p><u>Use face groups to more easily search and manage your photos.</u> After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p>

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	<p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none">1. On your Android phone or tablet, open the Google Photos app .2. Sign in to your Google Account.3. At the top, tap the search bar. <u>You'll see a box with faces.</u>4. <u>Tap a face to see more photos of them.</u> To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none">1. At the top of a face group, tap "Who is this?"2. Enter a name/label. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
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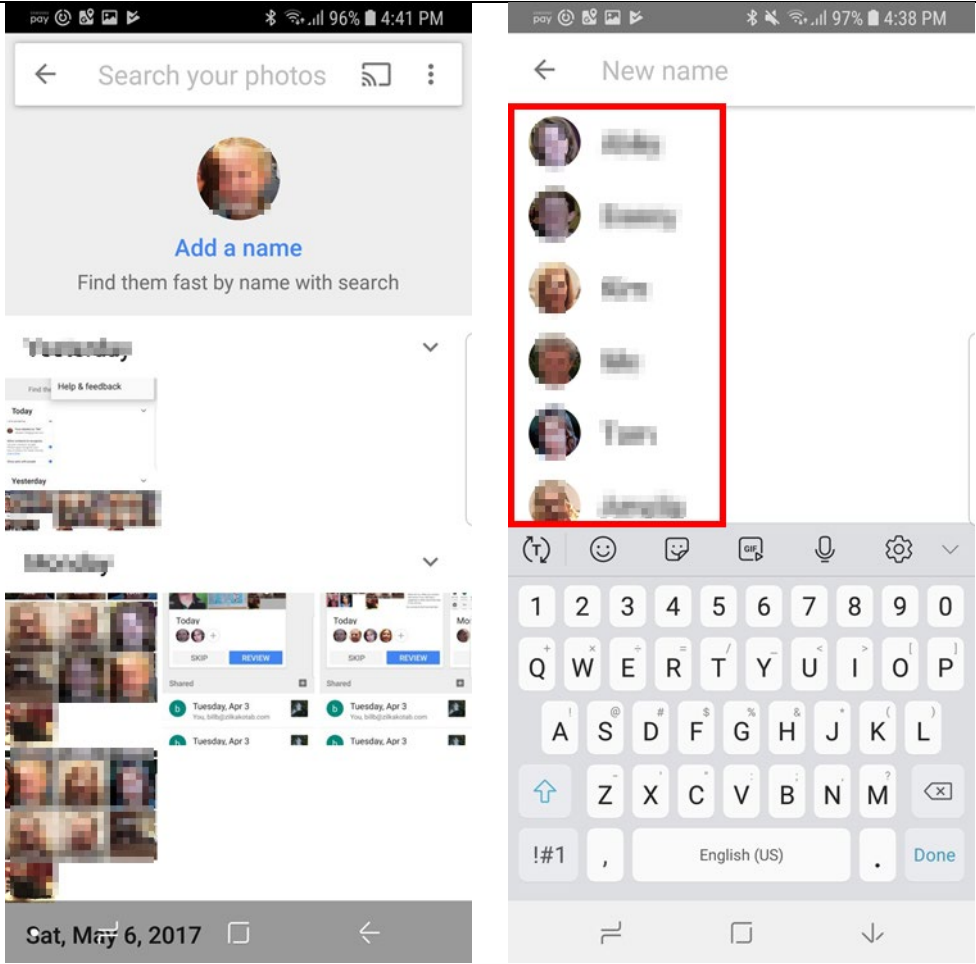
	 <p>Note: “Add a name” brings up a collection of suggested identifiers.</p>
<p>receive, utilizing the input mechanism of the device, a user input indicating at least one of the suggested identifiers or another identifier, for determining at least one identifier;</p>	<p>Samsung devices are configured to receive, utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) indicating at least one of the suggested identifiers (e.g., contact names/labels, etc.) or another identifier (e.g., a user-implemented text entry in a “New name” field, etc.), for determining at least one identifier (e.g., a new contact, etc.);</p>

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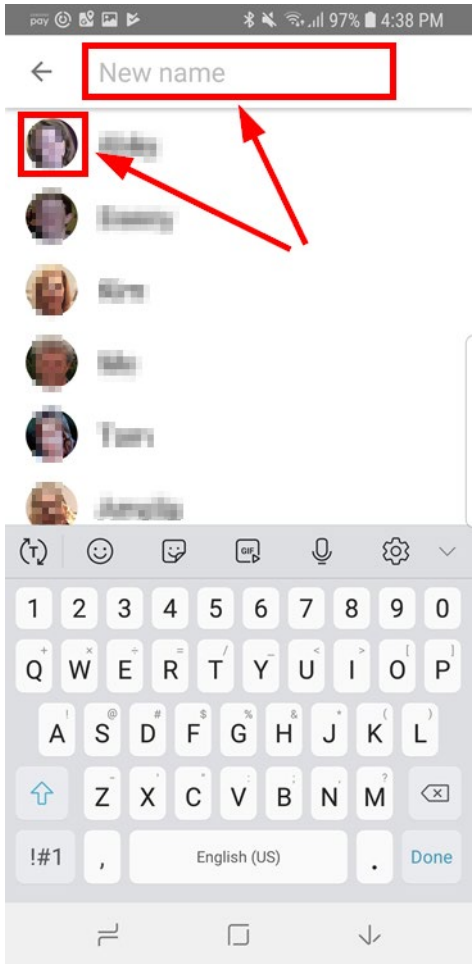
	
<p>after receiving the user input indicating the at least one of the suggested identifiers or the another identifier for determining the at least one identifier, cause storage of a correspondence</p>	<p>On information and belief, Samsung devices are configured to, after receiving the user input (e.g., a user-instigated touch event, etc.), indicate the at least one of the suggested identifiers (e.g., contact names/labels, etc.) or the another identifier (e.g., a user-implemented text entry in the “New name” field, etc.) for determining the at least one identifier (e.g. a contact identifier, etc.), and cause storage of a correspondence between the at least one identifier and the first face (e.g., the portrait or personal</p>

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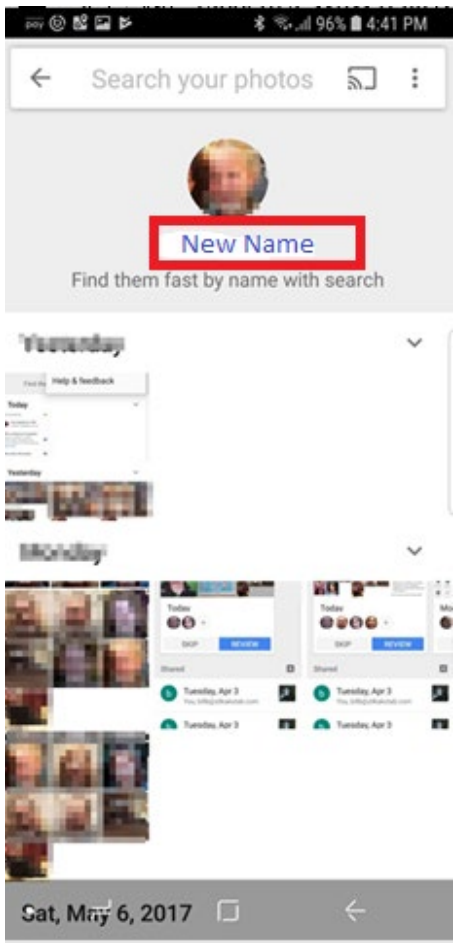
<p>between the at least one identifier and the first face;</p>	<p>photo, etc.). For example, Samsung devices show the photo associated with the name of a New Contact (e.g., “New Name,” etc.) following the contact name-associated process described above:</p> 
<p>display, utilizing the screen of the device, the at least portion of the first image including the first face with identifier indicia associated with the at</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.). On information and belief, the</p>

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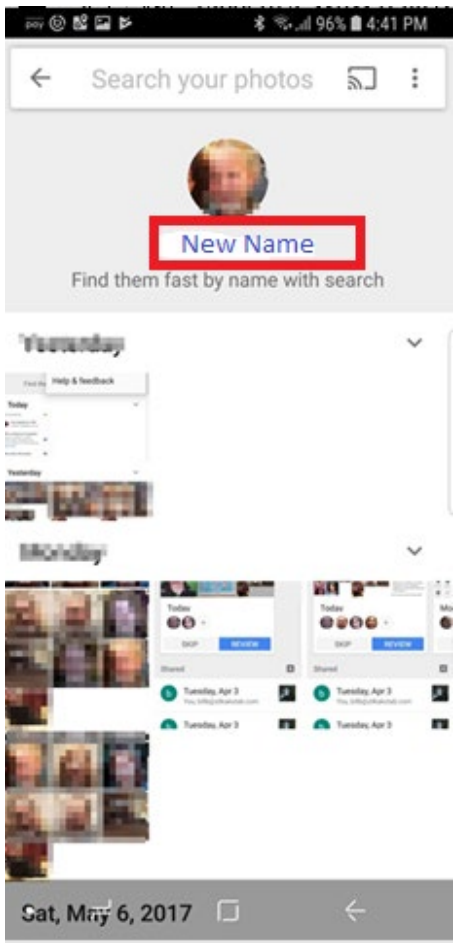
<p>least one identifier, based on the correspondence;</p>	<p>display of the image and the contact name is based on the correspondence of the image with the contact name.</p> 
<p>provide access to at least one option for sharing images; and</p>	<p>Samsung devices are configured to provide access to at least one option for sharing images (e.g., sharing the selected images or photo album, etc.). Alternatively, Samsung devices are configured to provide access to sharing a photo or album via “Facebook or other apps,” as shown in the second image below.</p>

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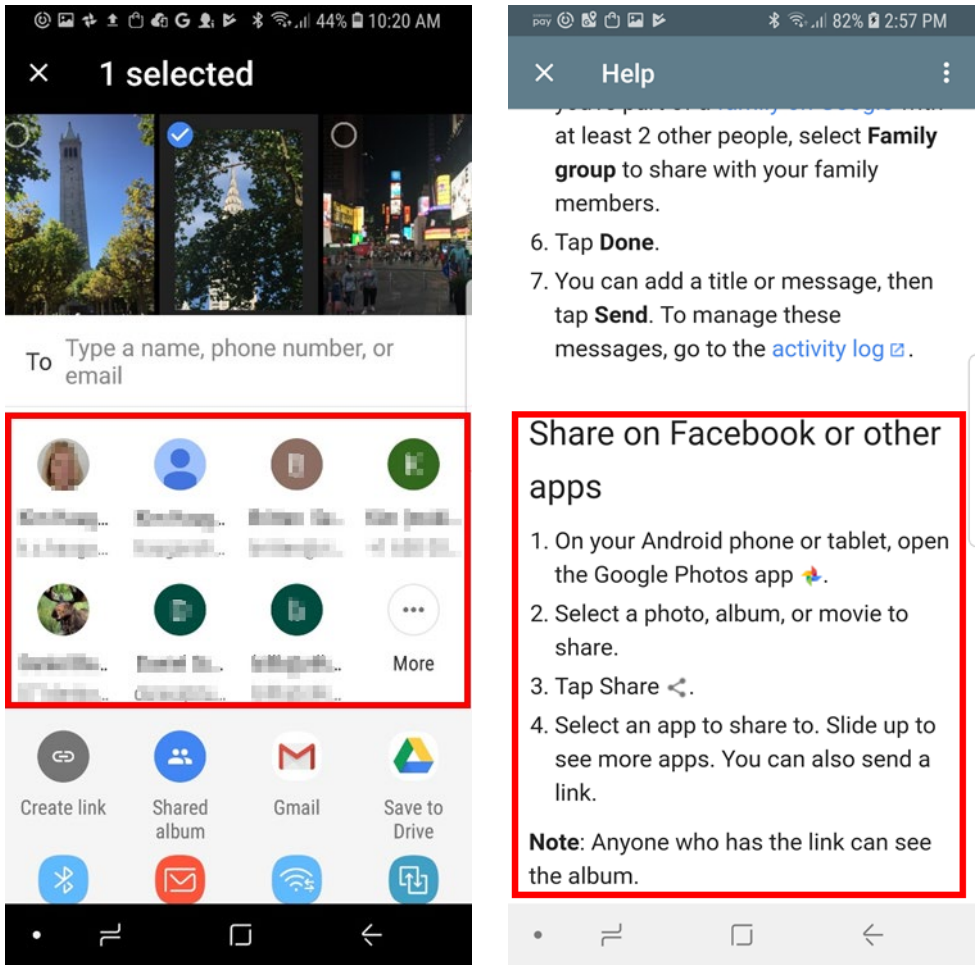
	 <p>The left screenshot shows the Google Photos 'Share' screen. At the top, it says '1 selected'. Below are three photo thumbnails. Underneath is a 'To' field with the text 'Type a name, phone number, or email'. Below that is a grid of sharing options: contacts (with names like 'Katie...', 'Katie...', 'Katie...', 'Katie...'), apps (with icons for various social media and messaging apps), and a 'More' button. At the bottom are icons for 'Create link', 'Shared album', 'Gmail', and 'Save to Drive'.</p> <p>The right screenshot shows the 'Help' screen for sharing. It contains a numbered list of steps: 1. On your Android phone or tablet, open the Google Photos app. 2. Select a photo, album, or movie to share. 3. Tap Share. 4. Select an app to share to. Slide up to see more apps. You can also send a link. A red box highlights the section titled 'Share on Facebook or other apps' which contains this list and a note: 'Note: Anyone who has the link can see the album.'</p>
<p>in connection with the at least one option for sharing images: receive, utilizing the input mechanism of the device, an email address, a phone number, or a name of at least one other person,</p>	<p>As described above, Samsung devices are configured to provide access to at least one option for sharing images (e.g., sharing the selected image or photo album, etc.).</p> <p>In connection with the option for sharing images, Samsung devices are configured to receive, utilizing the touchscreen circuitry enabling touch-based input with the screen, contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address</p>

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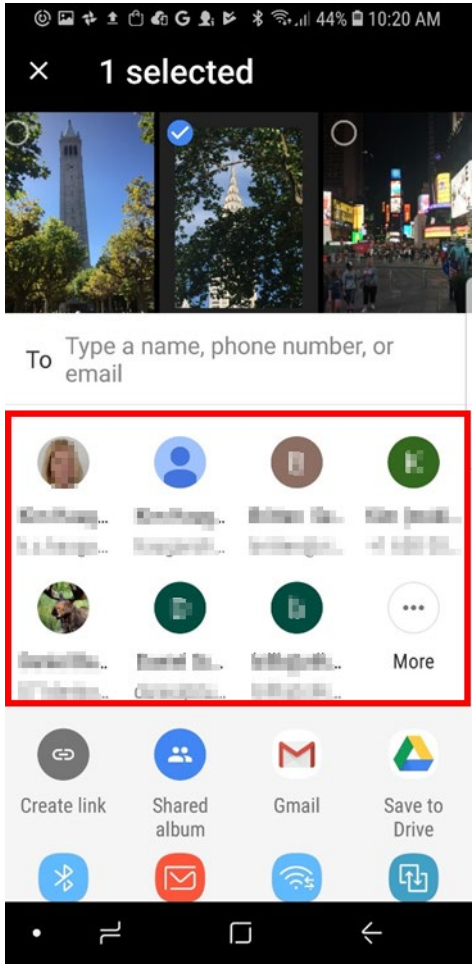
	<p>book of Samsung devices for sharing. Alternatively, Samsung devices are configured to receive, utilizing the touchscreen circuitry enabling touch-based input with the screen, a new “name, phone number, or email” of at least one other person for sharing.</p> 
<p>display, utilizing the screen of the device, the plurality of indicia including the at least one of the</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least one of the plurality of indicia including the at least portion of the first image including the first face (e.g., the portrait or</p>

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plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;

personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.).

Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).

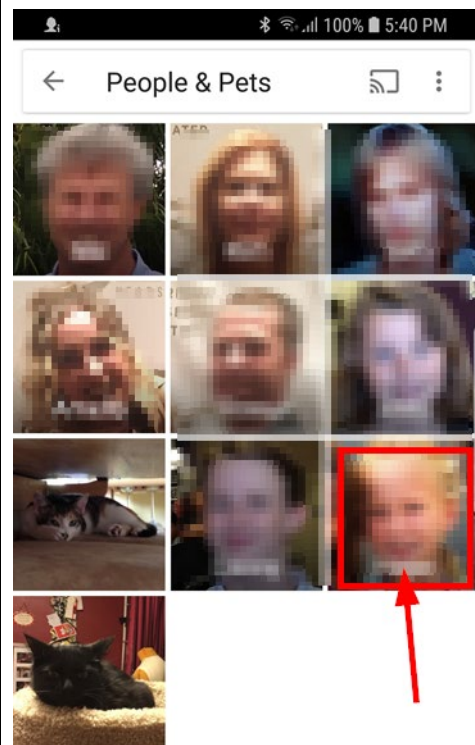


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receive, utilizing the input mechanism of the device, a user input indicating a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, and	<p>Samsung devices are configured to receive, utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) indicating a selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least a portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.).</p> <p>Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).</p>

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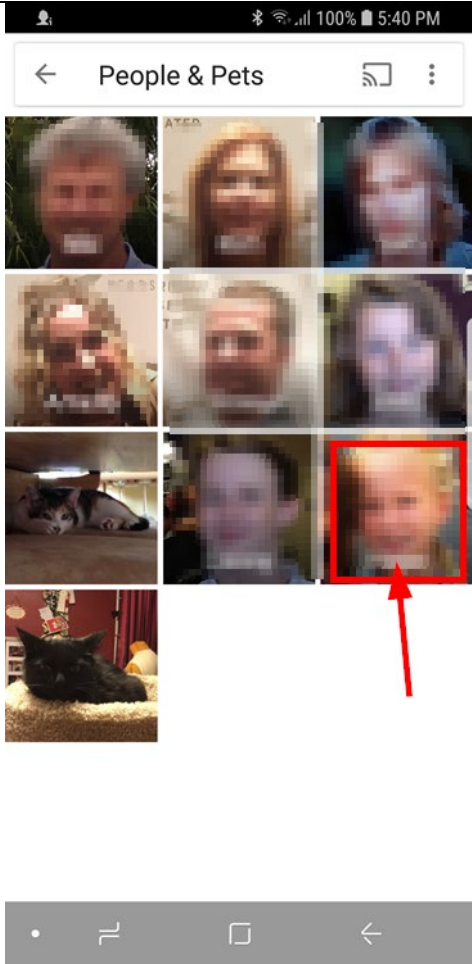
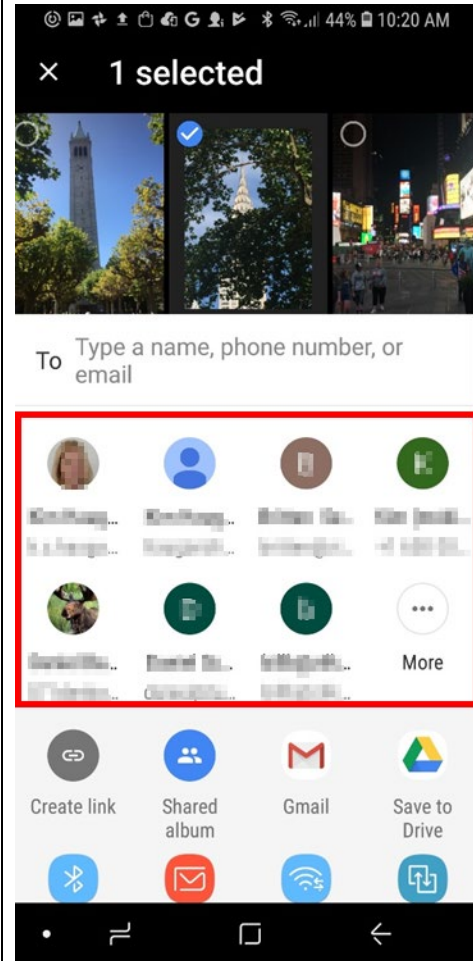
	
<p>based on the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, and utilizing the</p>	<p>Samsung devices are configured to, based on the user input (e.g., a user-instigated touch event, etc.) , indicate the selection of the at least one of the “People & Pets” from the interface (i.e., the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, etc.), and utilizing the email address, the phone number, or the name of the at least one other person: cause sharing (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) of at</p>

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email address, the phone number, or the name of the at least one other person: cause sharing of at least a portion of the set of images each including the first face.

least a portion of the set of images each including the first face (e.g., the portrait or personal photo, etc.).



Claim 2

The device as set forth in claim 1, wherein the device is configured such that the at least portion of the set of

Accused System (emphasis or labels added)

Samsung devices infringe Claim 1 and are configured wherein the device is configured such that the at least portion of the set of images is caused to be shared by causing an invitation to be sent (e.g., an email invitation indicating that a photo was shared, etc.) to the email address of the at least one other

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<p>images is caused to be shared by causing an invitation to be sent to the email address of the at least one other person, where the invitation is an invitation to access the at least portion of the set of images.</p>	<p>person, where the invitation is an invitation to access the at least portion of the set of images. The Accused Samsung Devices therefore infringe these elements of Claim 2 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> <p><u>Note:</u> The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).</p>
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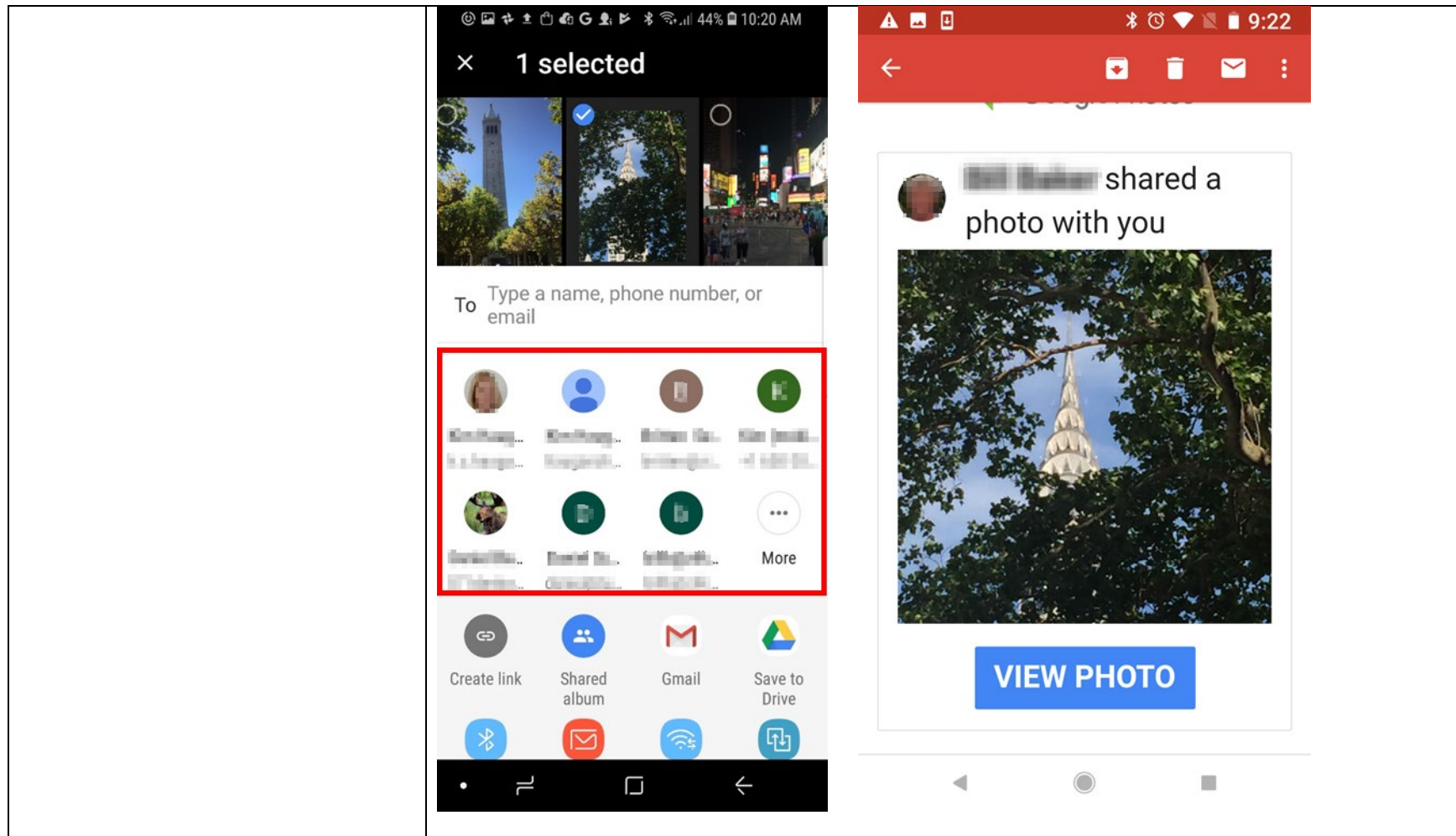
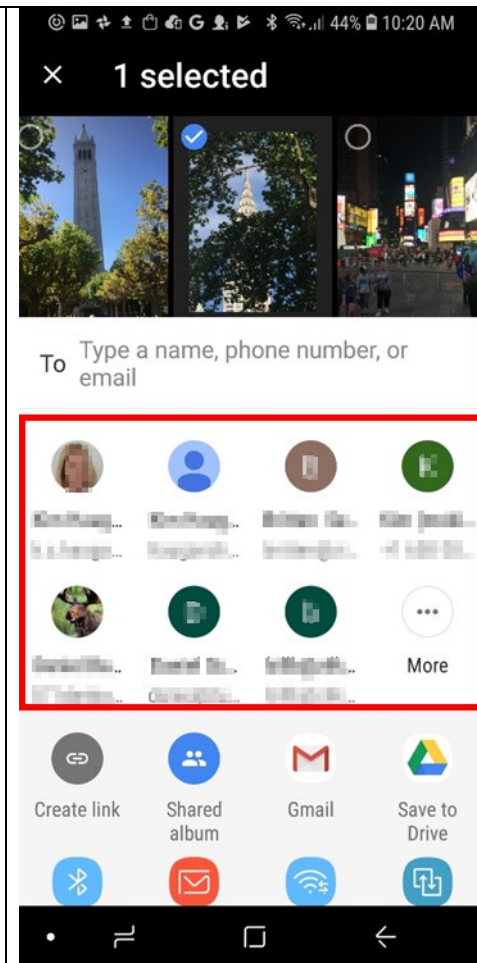


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Claim 3	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the email address, the phone number, or the name of the at least one other person is received before the receipt of the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier.</p>	<p>Samsung devices infringe Claim 1 and are configured wherein the device is configured such that the contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices is received before the receipt of the user input (e.g., a user-instigated touch event, etc.) indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier. The Accused Samsung Devices therefore infringe these elements of Claim 3 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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Additionally, the following shows the contact info (for sharing) being selected after the photo (to share) is selected. As such, the contact info (for sharing) may be selected before the photo (to share) is selected

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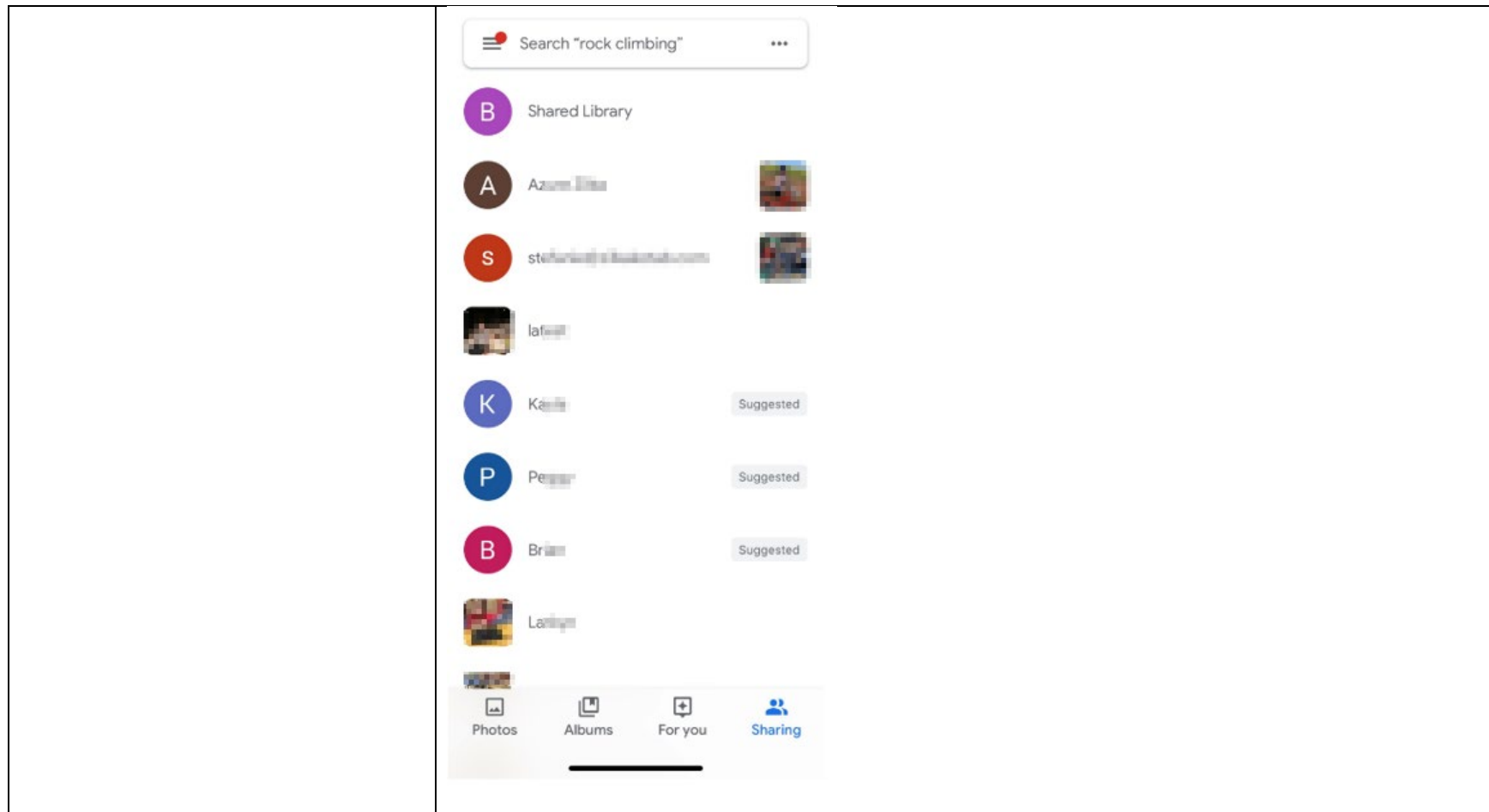


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Claim 4	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the email address, the phone number, or the name of the at least one other person is received after the receipt of the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier.</p>	<p>Samsung devices infringe Claim 1 and are configured wherein the device is configured such that the contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices is received after the receipt of the user input indicating the selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier. The Accused Samsung Devices therefore infringe these elements of Claim 4 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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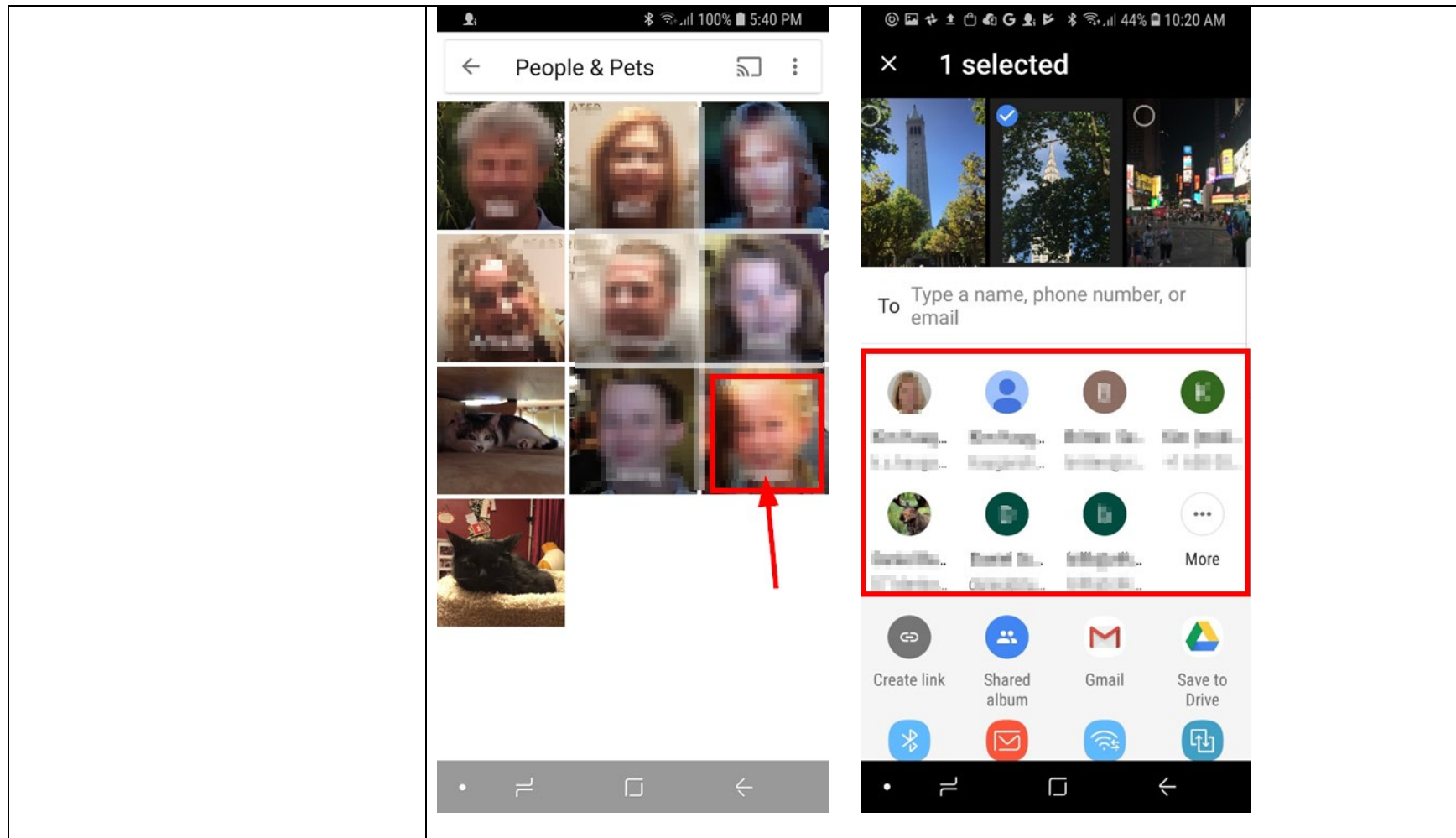


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Claim 5	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the one or more processors execute the instructions to cause the device to:</p> <p>in response to a receipt of at least a portion of the email address, the phone number, or the name of the at least one other person: cause comparison of the at least the portion of the email address, the phone number, or the name of the at least one other person, with contents of a contacts database, and</p> <p>based on the comparison, suggest at least one of the email address, the phone number, or the name of the at least one other person, for permitting a selection thereof by a user of the device to cause the receipt thereof.</p>	<p>Samsung devices infringe Claim 1 and are configured to, in response to a receipt of at least a portion of contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices: cause comparison of the at least the portion of the email address, the phone number, or the name of the at least one other person, with contents of a contacts database, and based on the comparison, suggest at least one of the email address, the phone number, or the name of the at least one other person, for permitting a selection thereof by a user of the device to cause the receipt thereof. The Accused Samsung Devices therefore infringe these elements of Claim 5 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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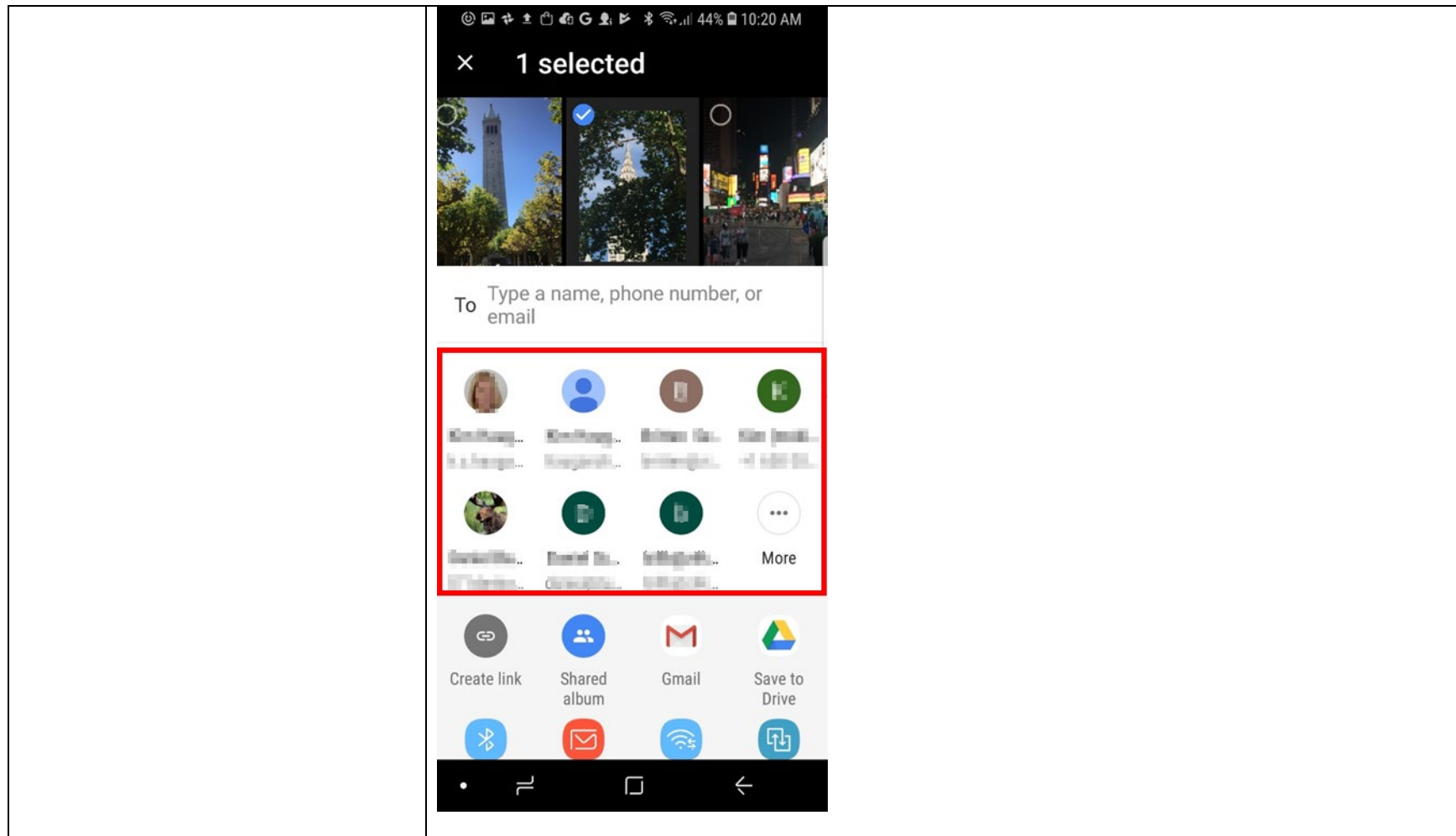


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Claim 6	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, includes a user input of: the at least one identifier, an AND Boolean operator, and at least one other identifier with a correspondence with a second face; such that the at least portion of the set of images each include both the first face and the second face.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the user input (e.g., a user-instigated touch event, etc.) indicating the selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier, includes a user input of: the at least one identifier, an AND Boolean operator, and at least one other identifier with a correspondence with a second face; such that the at least portion of the set of images each include both the first face and the second face. The Accused Samsung Devices therefore infringe these elements of Claim 6 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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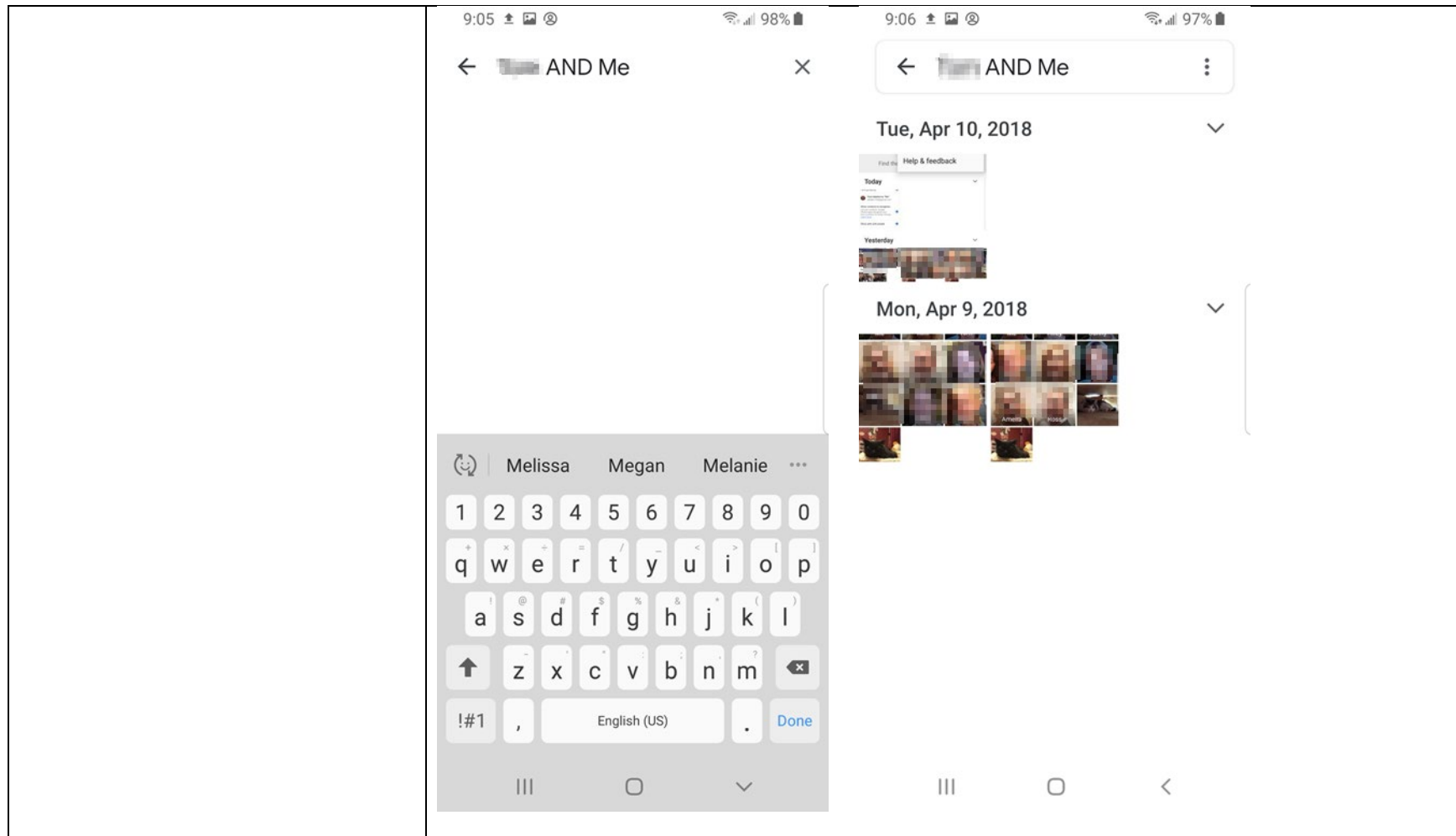


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Claim 7	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the user input indicating the selection of the first face with the identifier indicia associated with the at least one identifier, includes a user input of: the at least one identifier, an OR Boolean operator, and at least one other identifier with a correspondence with a second face; such that the at least portion of the set of images each include at least one of the first face or the second face.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the user input (e.g., a user-instigated touch event, etc.) indicating the selection of the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier, includes a user input of: the at least one identifier, an OR Boolean operator, and at least one other identifier with a correspondence with a second face; such that the at least portion of the set of images each include at least one of the first face or the second face. The Accused Samsung Devices therefore infringe these elements of Claim 7 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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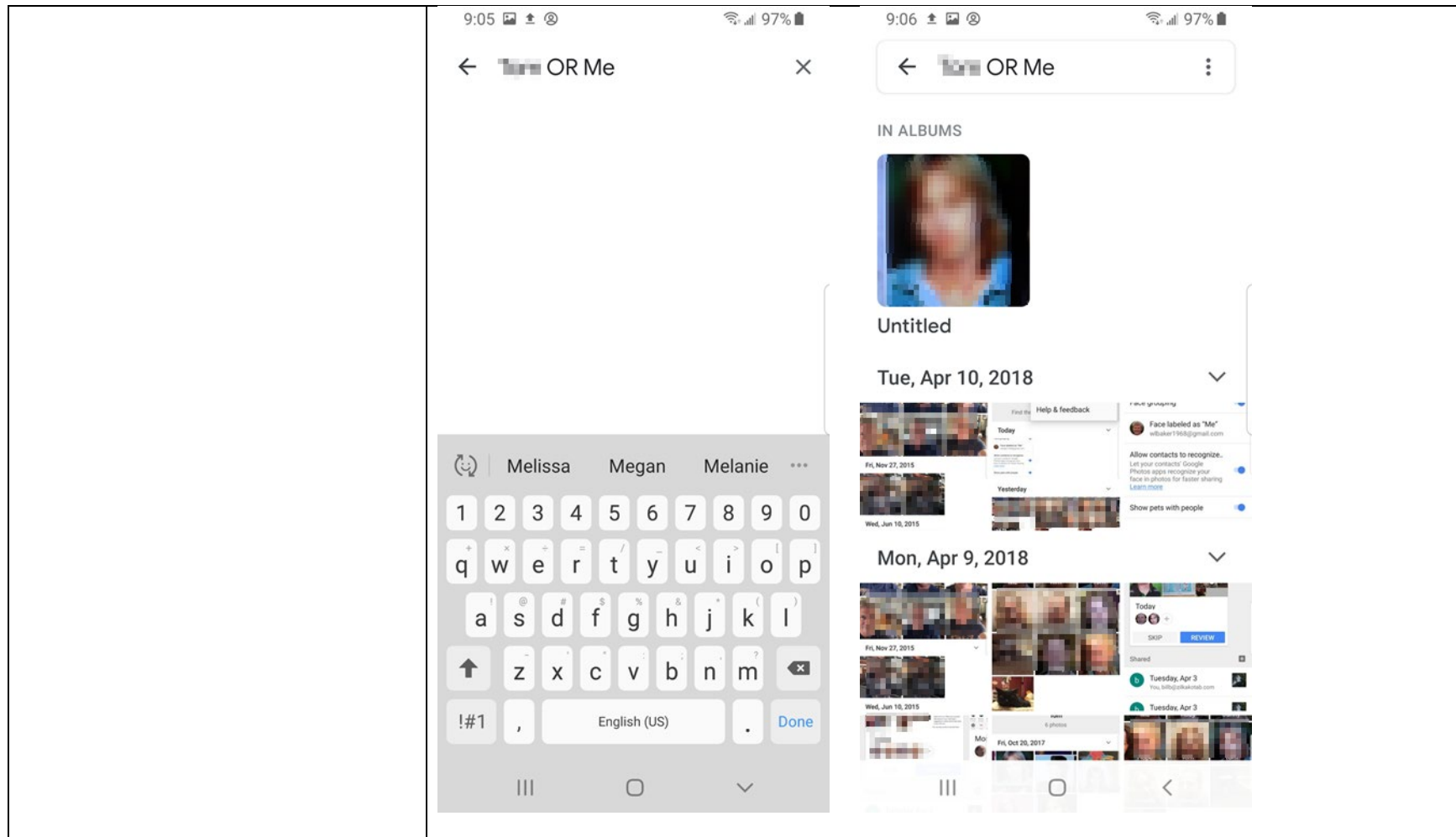
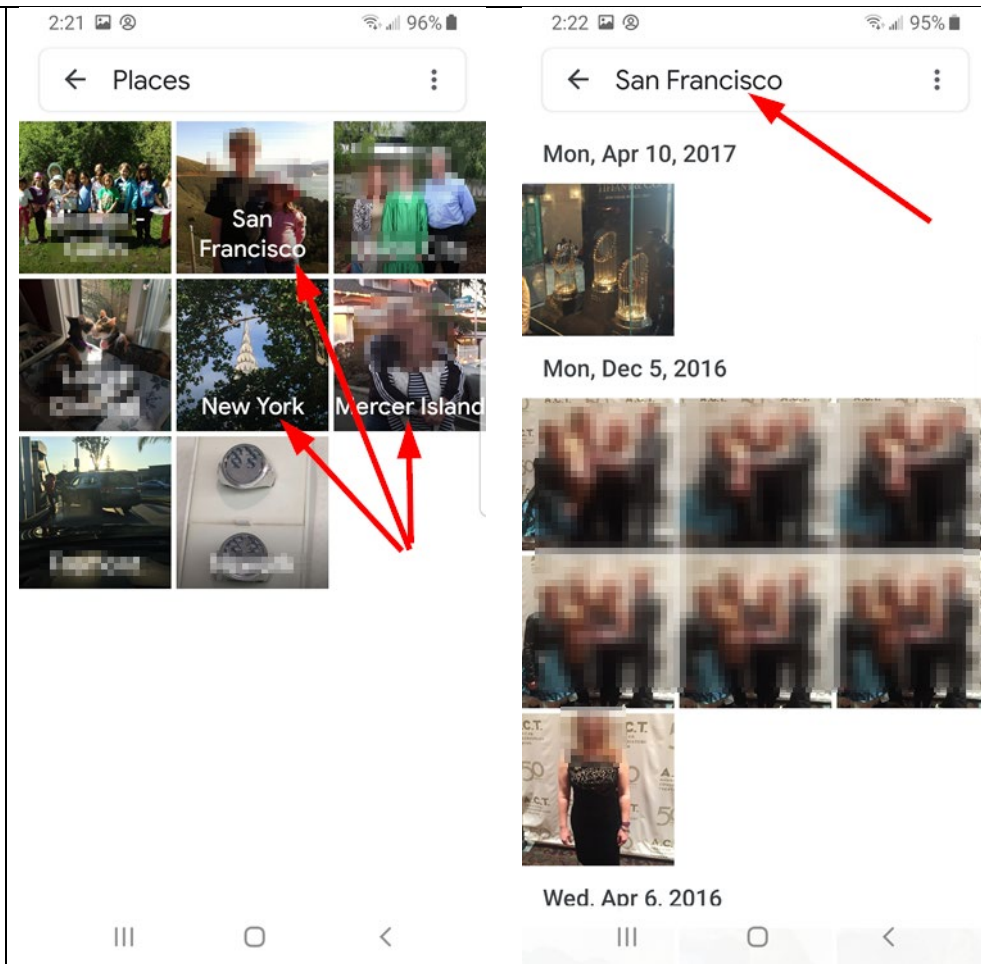


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Claim 8	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, is capable of being accompanied by an indication of a location; such that the at least portion of the set of images each include the first face and were taken at the location.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the user input indicating the selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier, is capable of being accompanied by an indication of a location; such that the at least portion of the set of images each include the first face and were taken at the location. The Accused Samsung Devices therefore infringe these elements of Claim 8 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

EXHIBIT 1



Additionally, indications of face/location/time can accompany each other. The following image is based on inputting information for the face/location/time (specifically as “Me and Specified Location and 2019”).

EXHIBIT 1

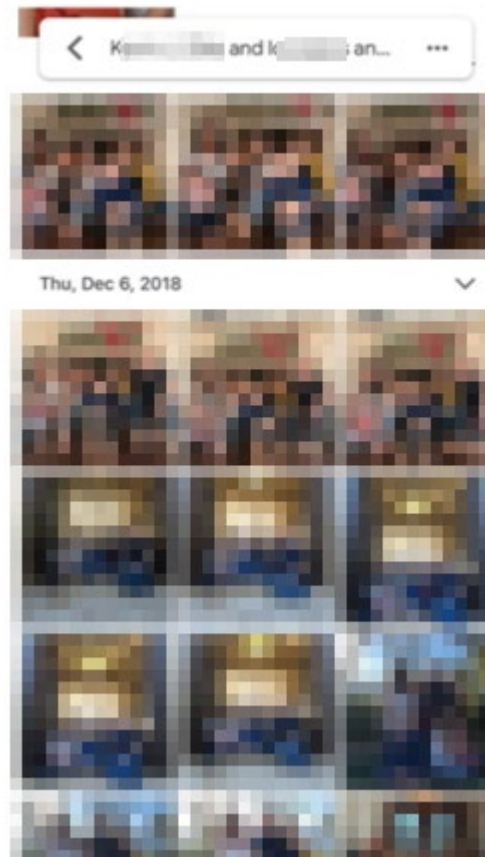
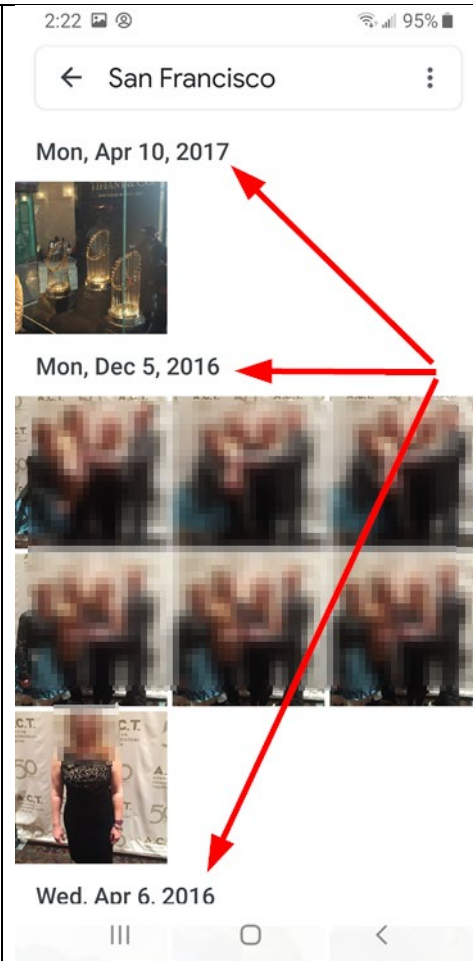


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Claim 9	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, is capable of being accompanied by an indication of a time; such that the at least portion of the set of images each include the first face and were taken at the time.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the user input indicating the selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier, is capable of being accompanied by an indication of a time; such that the at least portion of the set of images each include the first face and were taken at the time. The Accused Samsung Devices therefore infringe these elements of Claim 9 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

EXHIBIT 1



Additionally, indications of face/location/time can accompany each other. The following image is based on inputting information for the face/location/time (specifically as “Me and Specified Location and 2019”).

EXHIBIT 1

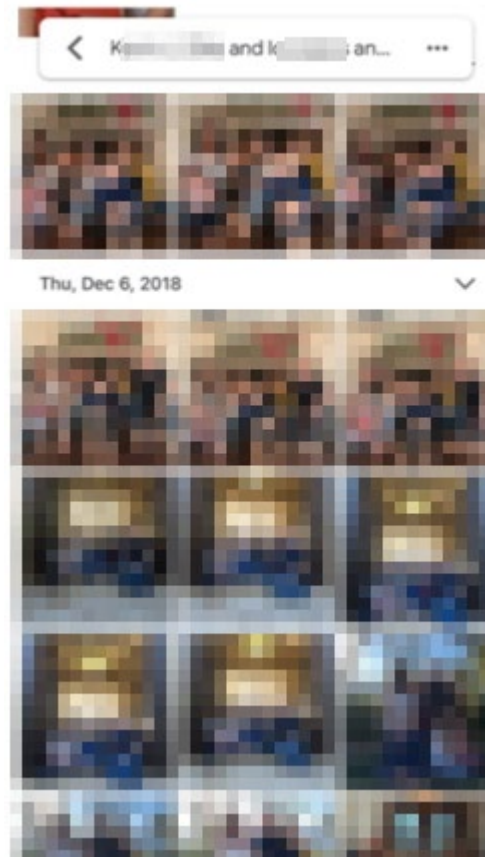


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Claim 10	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that option for sharing images is further for automatically sharing new images in addition to the at least portion of the set of images, without requiring further user input from a user of the device after the at least portion of the set of images is caused to be shared.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that option for sharing images is further for automatically sharing new images in addition to the at least portion of the set of images, without requiring further user input from a user of the device after the at least portion of the set of images is caused to be shared. The Accused Samsung Devices therefore infringe these elements of Claim 10 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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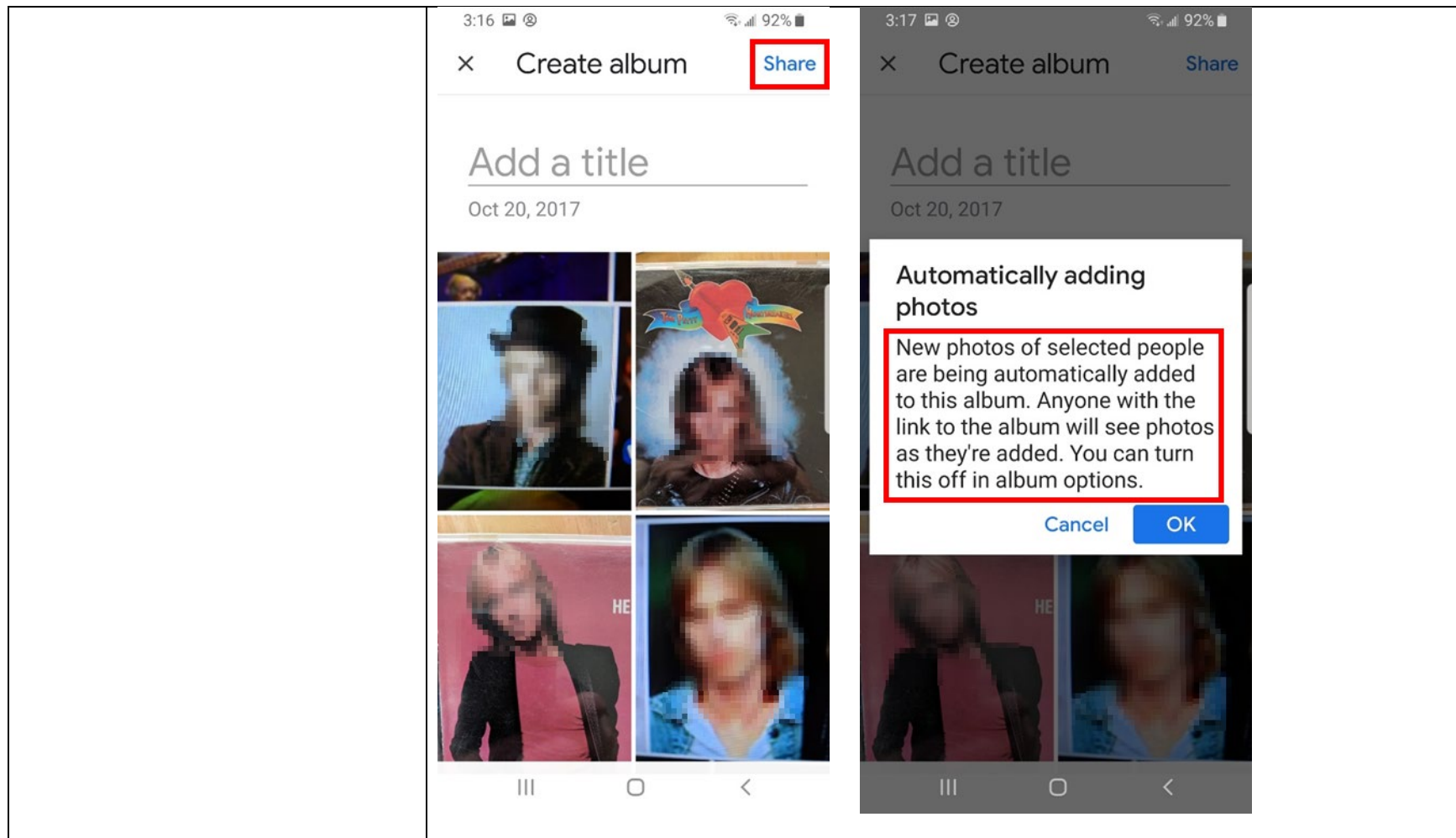


EXHIBIT 1

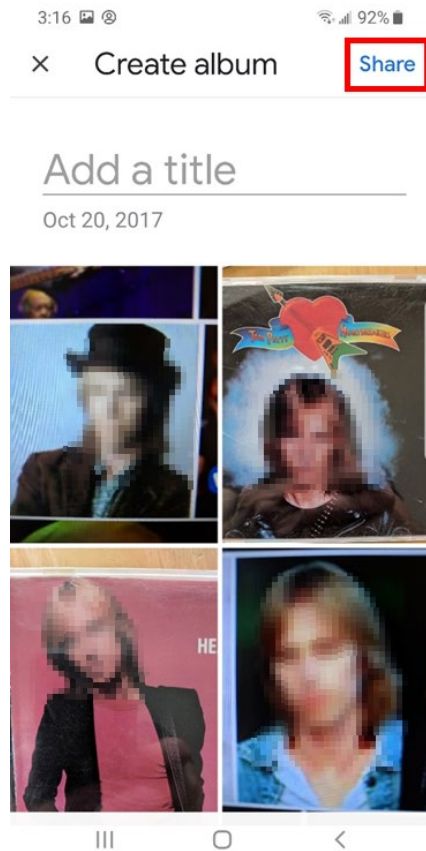
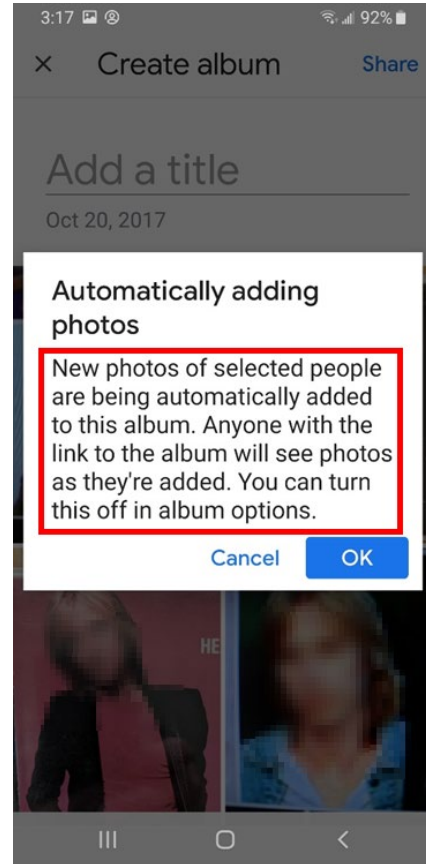
Claim 11	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that, in response to the first face being recognized in new images, sharing of the new images is automatically prompted after the at least portion of the set of images is caused to be shared.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that, in response to the first face being recognized in new images, sharing of the new images is automatically prompted after the at least portion of the set of images is caused to be shared. The Accused Samsung Devices therefore infringe these elements of Claim 11 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> <div data-bbox="690 461 1113 1308">  <p>This screenshot shows the 'Create album' interface on a Samsung device. At the top, there is a status bar with the time 3:16 and 92% battery. Below the status bar, the title 'Create album' is displayed with a close button (X) on the left and a 'Share' button on the right. The 'Share' button is highlighted with a red rectangle. Below the title, there is a section for 'Add a title' and a date 'Oct 20, 2017'. A grid of four photos is shown below the title section. The photos are: a person in a hat, a person with a heart graphic, a person in a red shirt, and a person in a blue shirt. At the bottom of the screen, there are three navigation icons: a list icon (three vertical bars), a home icon (a circle), and a back icon (a left arrow).</p> </div> <div data-bbox="1142 461 1564 1321">  <p>This screenshot shows the same 'Create album' interface as the previous one, but with an overlay dialog box. The dialog box has a title 'Automatically adding photos' and a message: 'New photos of selected people are being automatically added to this album. Anyone with the link to the album will see photos as they're added. You can turn this off in album options.' The message is highlighted with a red rectangle. At the bottom of the dialog box, there are two buttons: 'Cancel' and 'OK'. The background of the screen is dimmed, showing the same 'Create album' interface as the previous screenshot.</p> </div>

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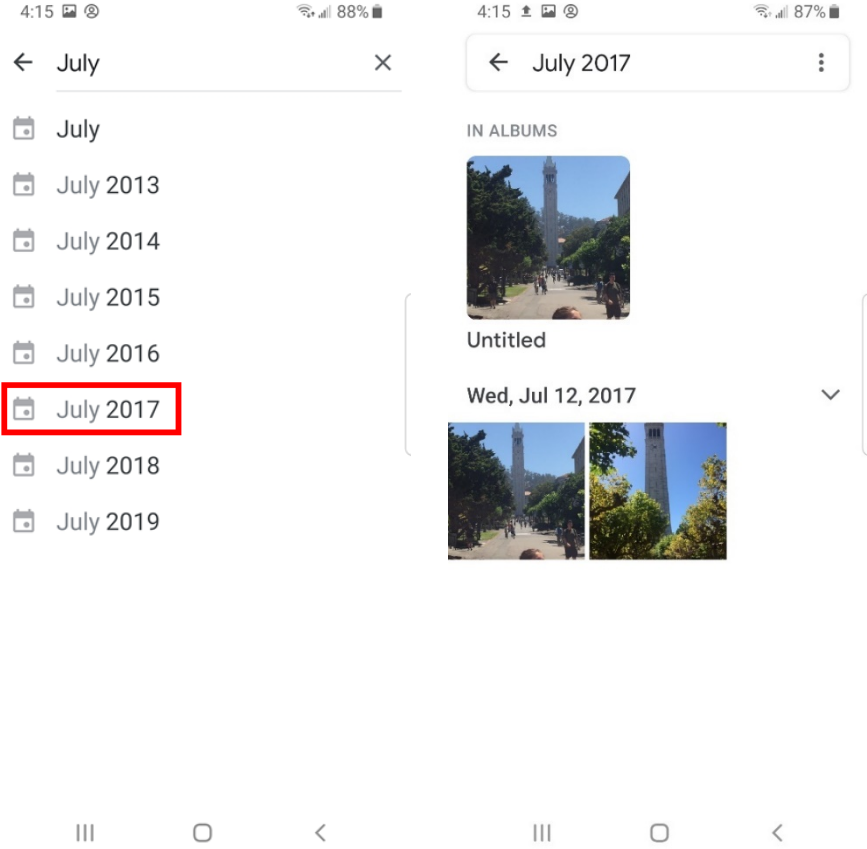
Claim 12	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the one or more processors execute the instructions to cause the device to:</p> <p>receive, utilizing the input mechanism of the device, time criteria, and</p> <p>identifying the at least portion of the set of images so as to meet the time criteria.</p>	<p>Samsung devices infringe Claim 1 wherein the one or more processors execute the instructions to cause the device to: receive, utilizing the input mechanism of the device, time criteria, and identifying the at least portion of the set of images so as to meet the time criteria. The Accused Samsung Devices therefore infringe these elements of Claim 12 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>  <p>The image contains two screenshots of a Samsung mobile device's photo gallery interface. The left screenshot shows a list of months from July to July 2019, with 'July 2017' highlighted by a red box. The right screenshot shows the photo gallery for July 2017, displaying a photo titled 'Untitled' taken on 'Wed, Jul 12, 2017'.</p>

EXHIBIT 1

Additionally, indications of face/location/time can accompany each other. The following image is based on inputting information for the face/location/time (specifically as “Me and Specified Location and 2019”).

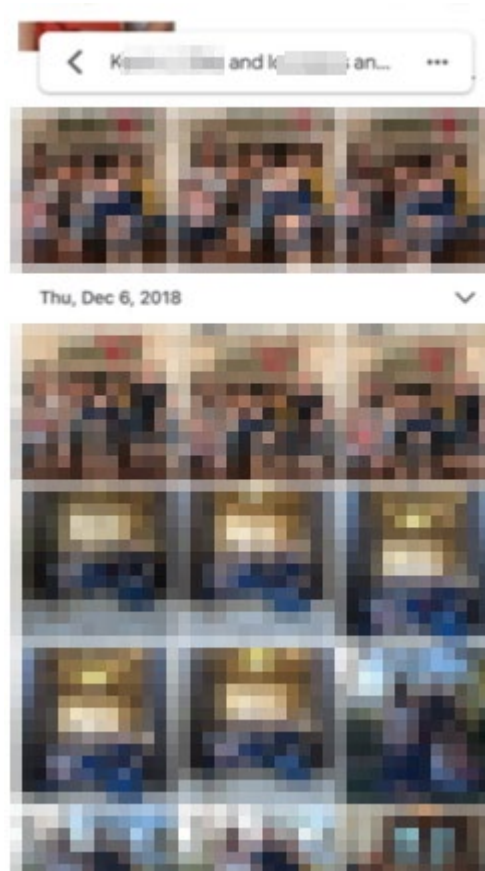


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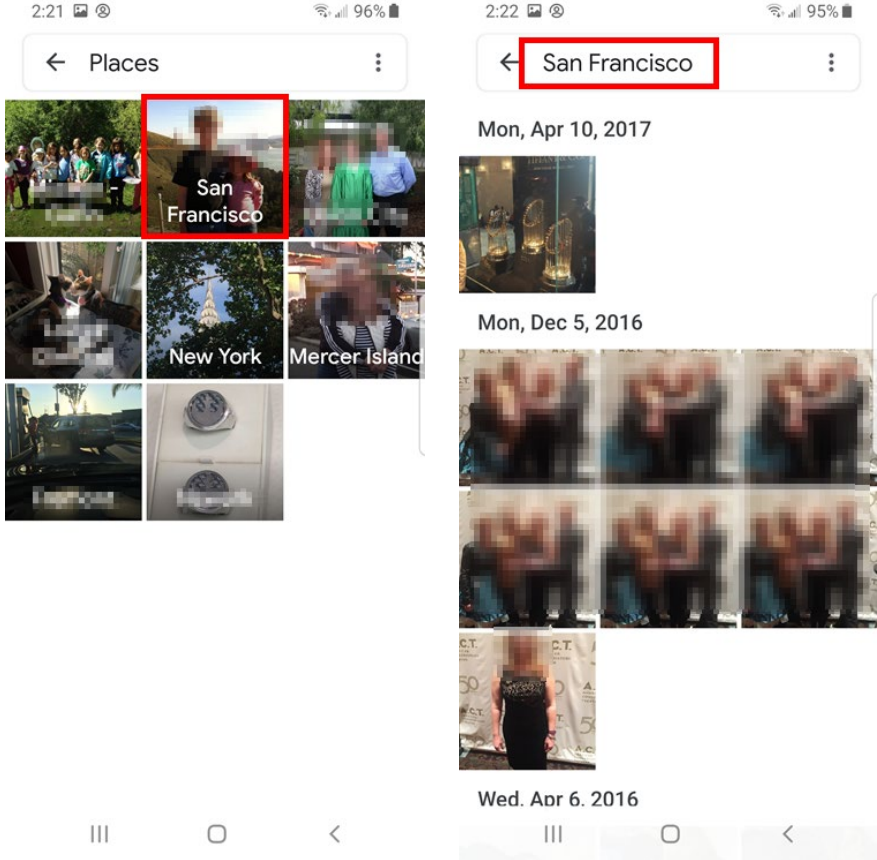
Claim 13	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the one or more processors execute the instructions to cause the device to:</p> <p>receive, utilizing the input mechanism of the device, location criteria, and</p> <p>identifying the at least portion of the set of images so as to meet the location criteria.</p>	<p>Samsung devices infringe Claim 1 wherein the one or more processors execute the instructions to cause the device to: receive, utilizing the input mechanism of the device, location criteria, and identifying the at least portion of the set of images so as to meet the location criteria (e.g., via a location filter, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 13 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>  <p>The screenshots illustrate the accused system's functionality. The left screenshot shows a photo gallery with a 'Places' filter applied, displaying a grid of photos. One photo is labeled 'San Francisco' and is highlighted with a red box. The right screenshot shows a photo gallery with a 'San Francisco' filter applied, displaying a grid of photos. One photo is labeled 'San Francisco' and is highlighted with a red box. Both screenshots show a date filter for 'Mon, Apr 10, 2017' and a date filter for 'Mon, Dec 5, 2016'.</p>

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Additionally, indications of face/location/time can accompany each other. The following image is based on inputting information for the face/location/time (specifically as “Me and Specified Location and 2019”).

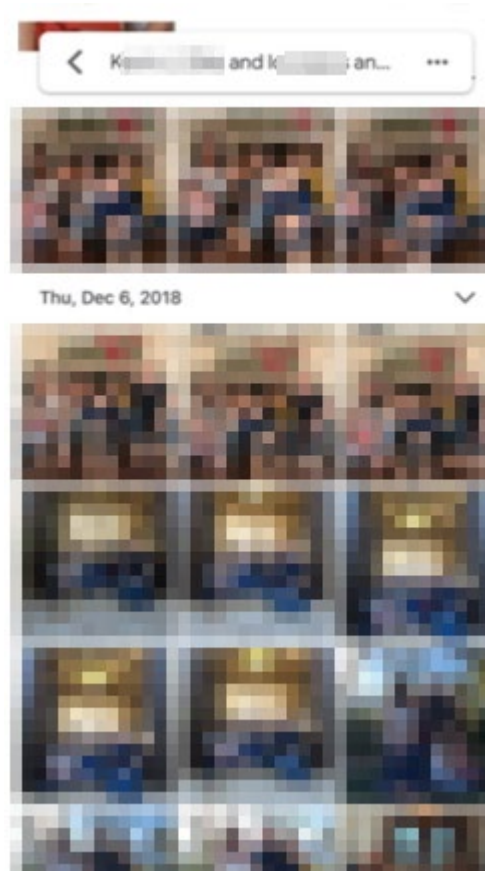


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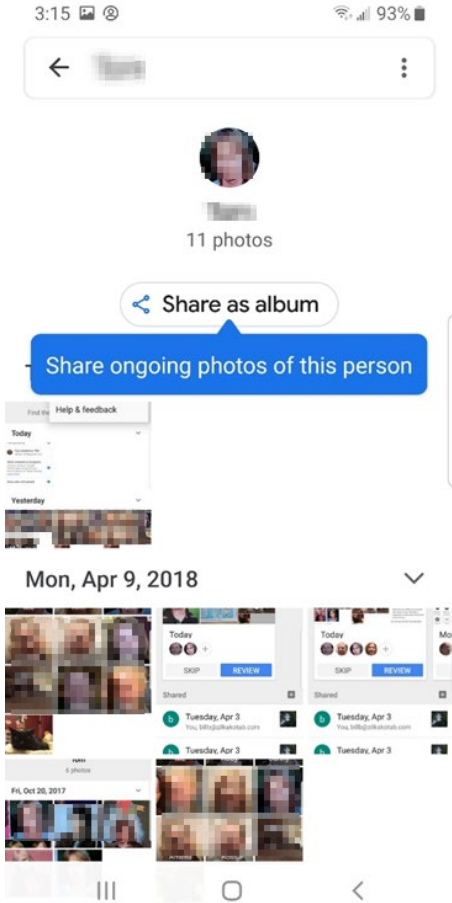
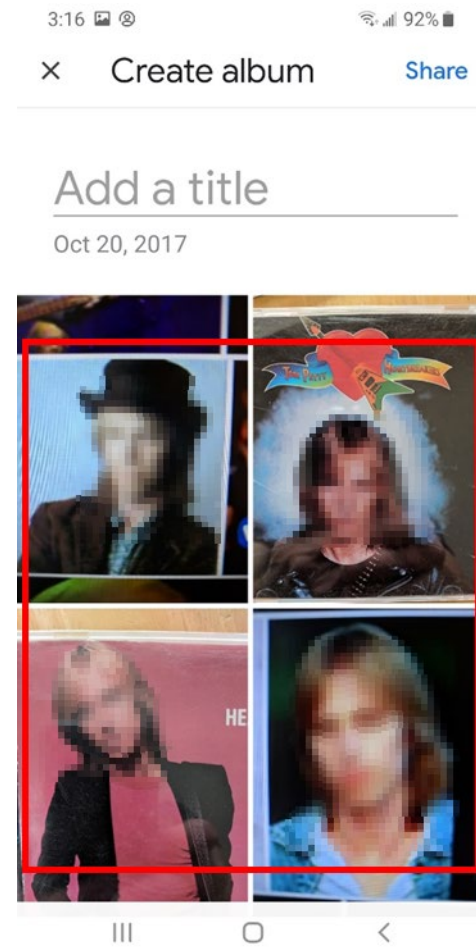
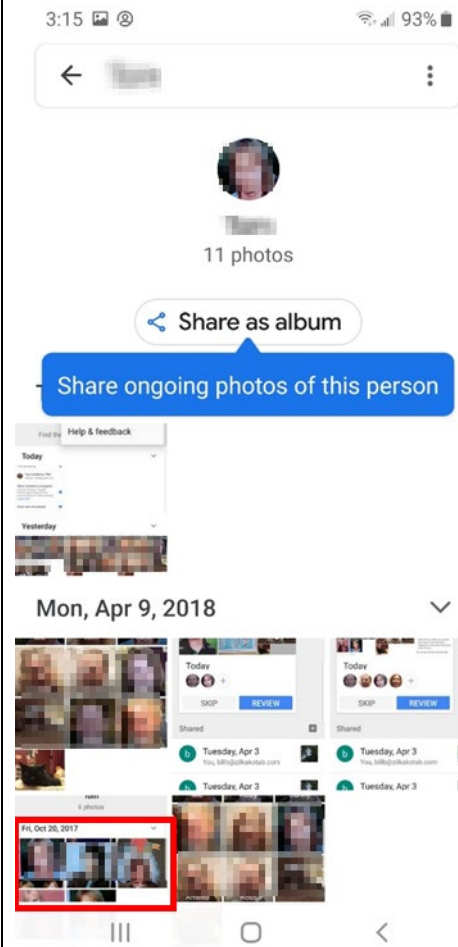
Claim 14	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the one or more processors execute the instructions to cause the device to:</p> <p>display, utilizing the screen of the device, at least one additional option for sharing images;</p>	<p>Samsung devices infringe Claim 1 wherein the one or more processors execute the instructions to cause the device to: display, utilizing the screen of the device, at least one additional option for sharing images (e.g., via the “Share as album” option, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 14 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> 

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in connection with the at least one additional option for sharing images:

display another set of images as an opportunity to be shared,

Samsung devices are configured to in connection with the at least one additional option for sharing images (e.g., via the “Share as album” option, etc.): display another set of images as an opportunity to be shared,

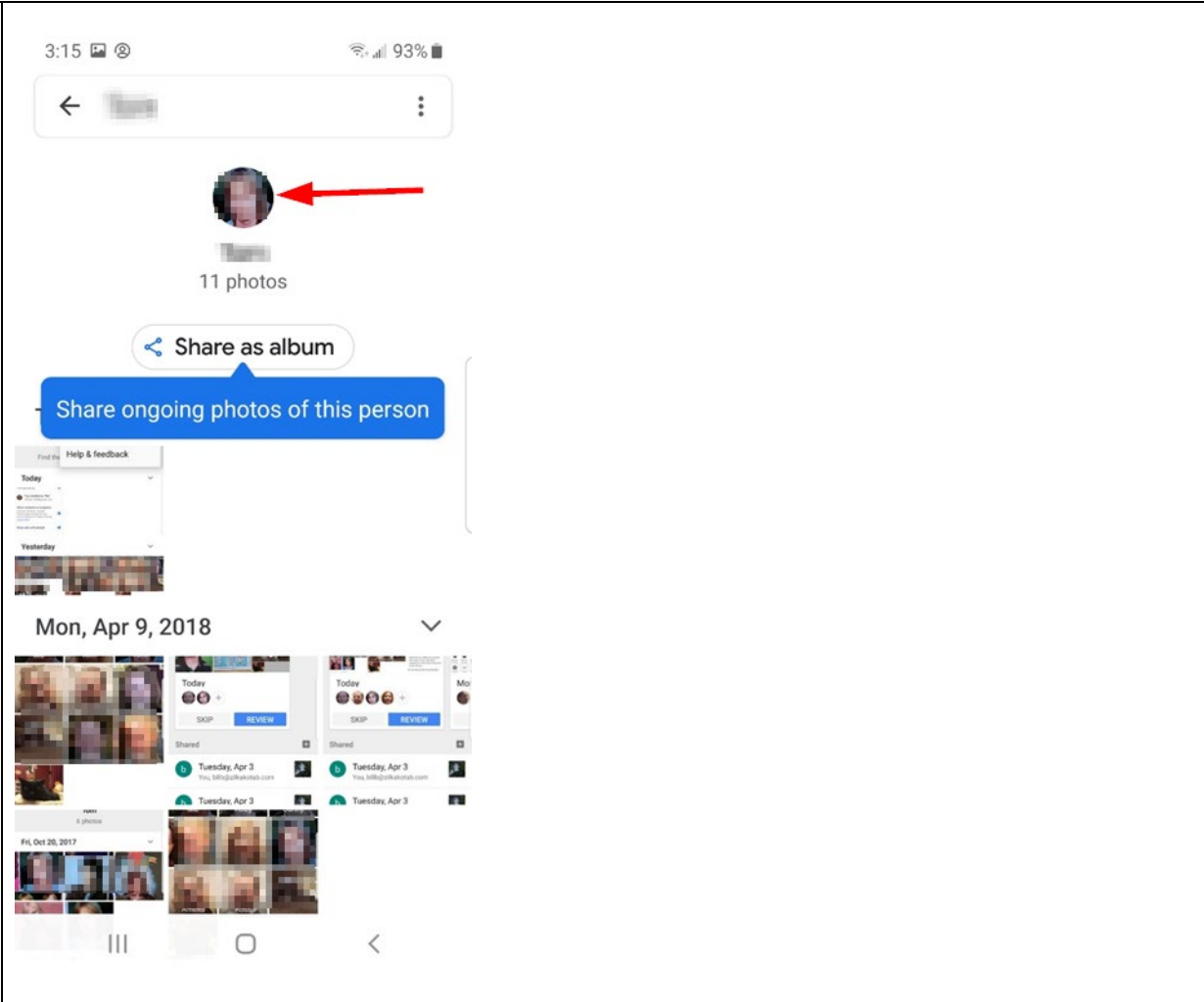


display one or more of the plurality of indicia corresponding to one or more

Samsung devices are configured to display one or more of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) corresponding to one or more faces recognized in one or more of the another set of images,

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faces recognized in one or more of the another set of images,



receive, utilizing the input mechanism of the device, a user input in connection with the opportunity, and

Samsung devices are configured to receive, utilizing the input mechanism of the device, a user input (e.g., a user-instigated touch event, etc.) in connection with the opportunity, and

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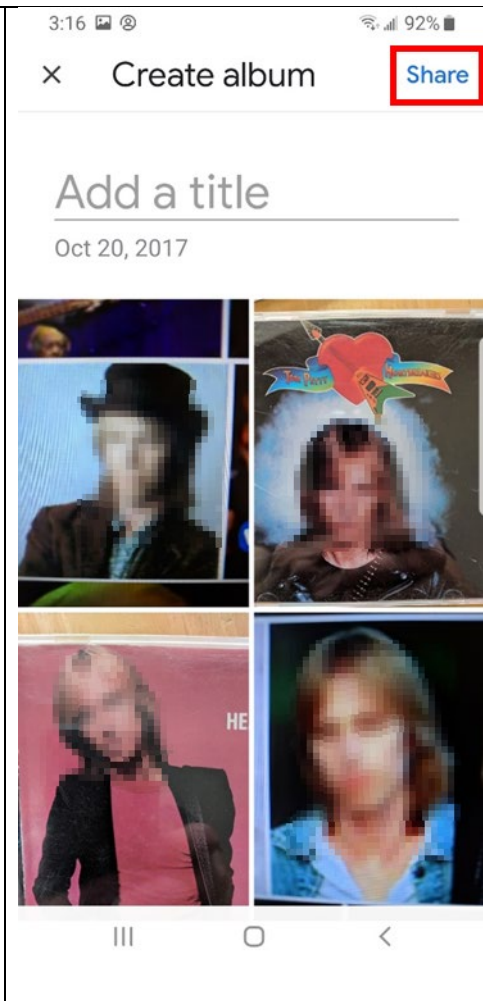
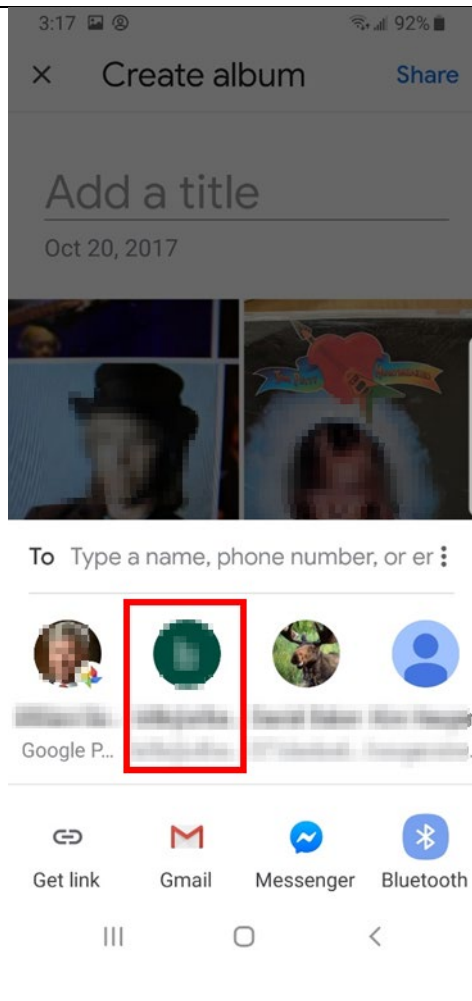
		
in response to the receipt of the user input in connection with the opportunity, cause sharing of at least a portion of the another set of images.	Samsung devices are configured to in response to the receipt of the user input (e.g., a user-instigated touch event, etc.) in connection with the opportunity, cause sharing (e.g. via the “Send” button, etc.) of at least a portion of the another set of images.	

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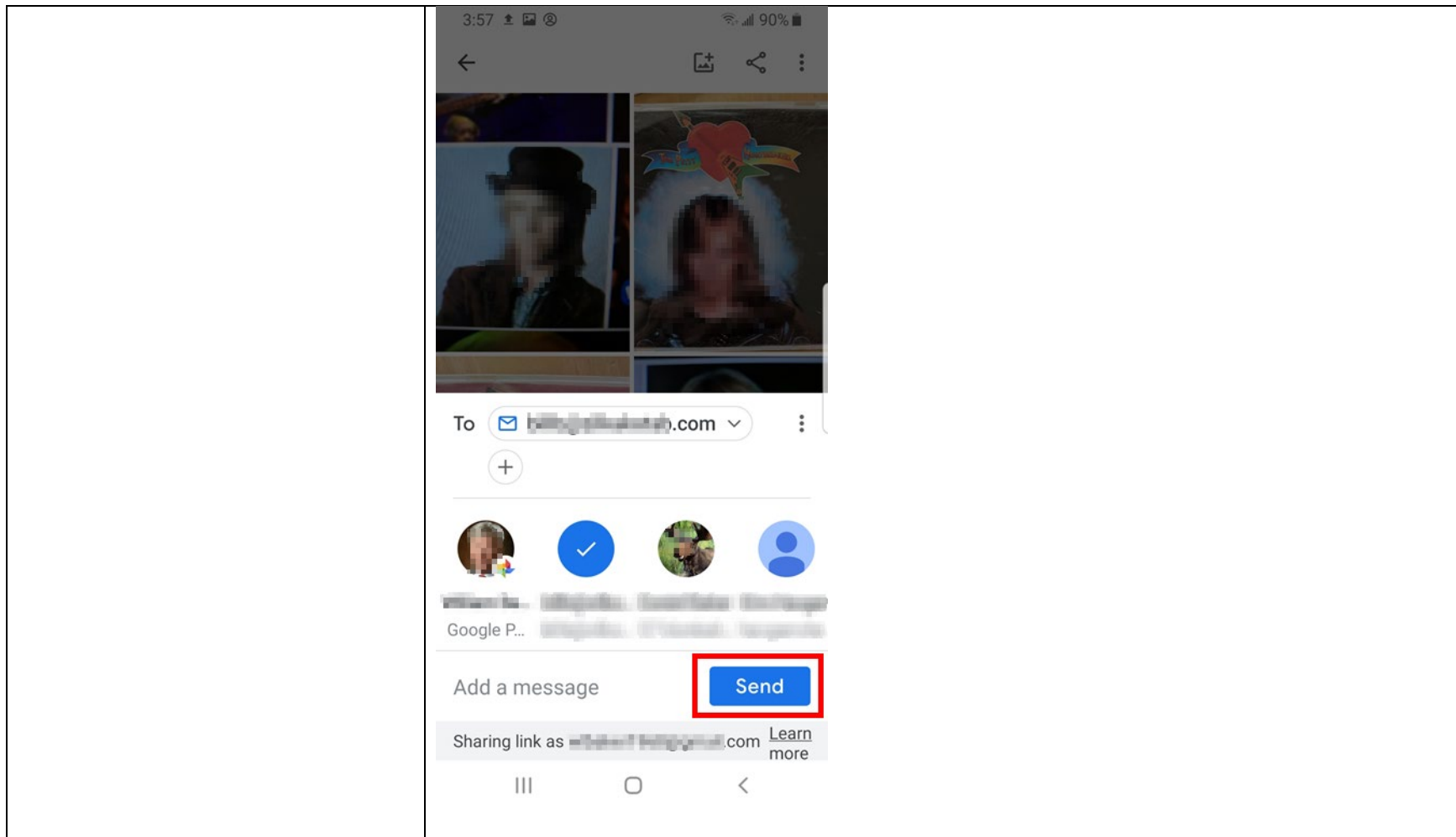


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Claim 15	Accused System (emphasis or labels added)
<p>The device as set forth in claim 14, wherein the device is configured such that one or more suggested identifiers is capable of being displayed with the one or more of the plurality of indicia corresponding to the one or more faces, in connection with the at least one additional option for sharing images.</p>	<p>Samsung devices infringe Claim 14 wherein the device is configured such that one or more suggested identifiers is capable of being displayed with the one or more of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) corresponding to the one or more faces, in connection with the at least one additional option for sharing images. The Accused Samsung Devices therefore infringe these elements of Claim 15 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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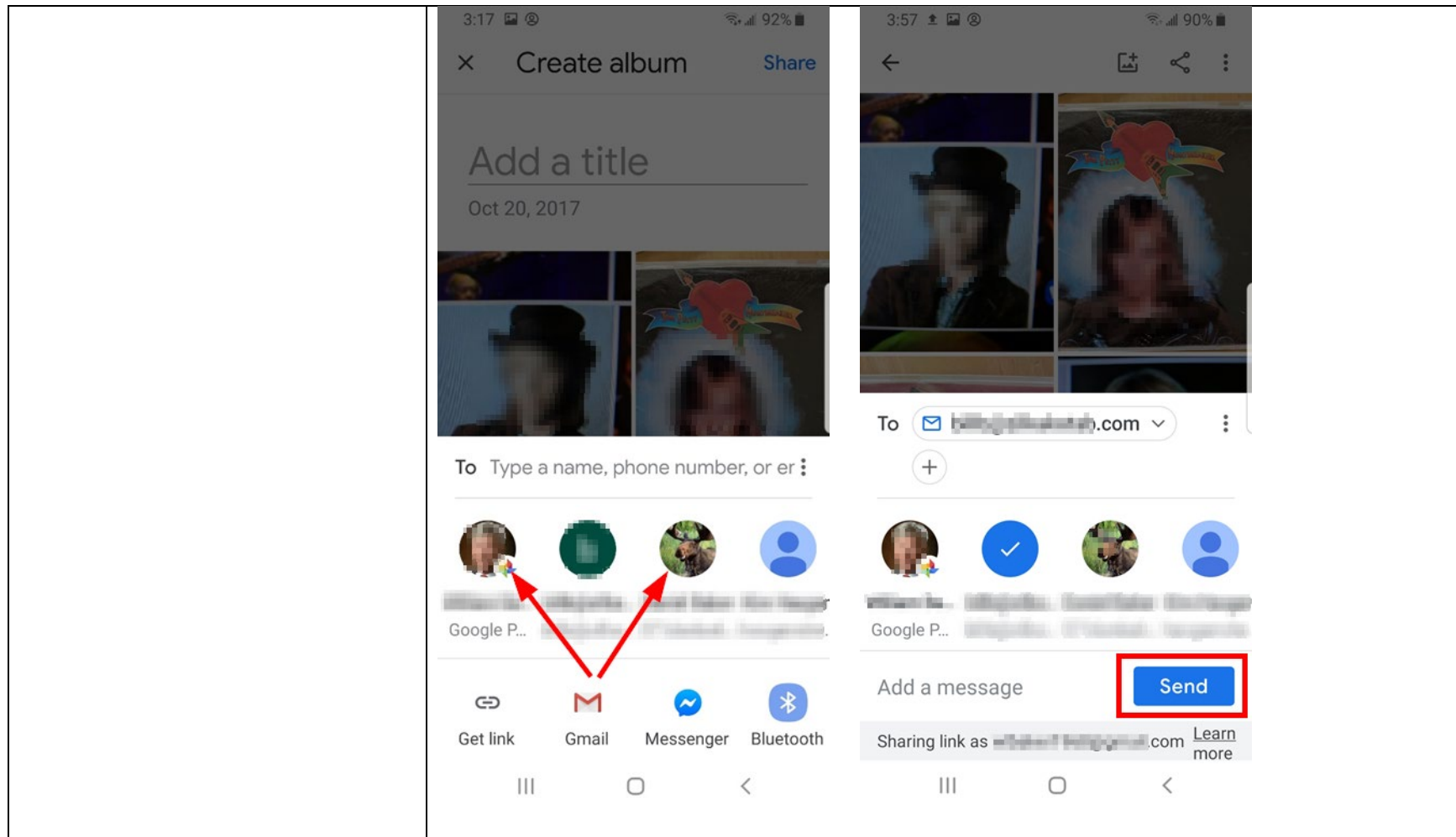
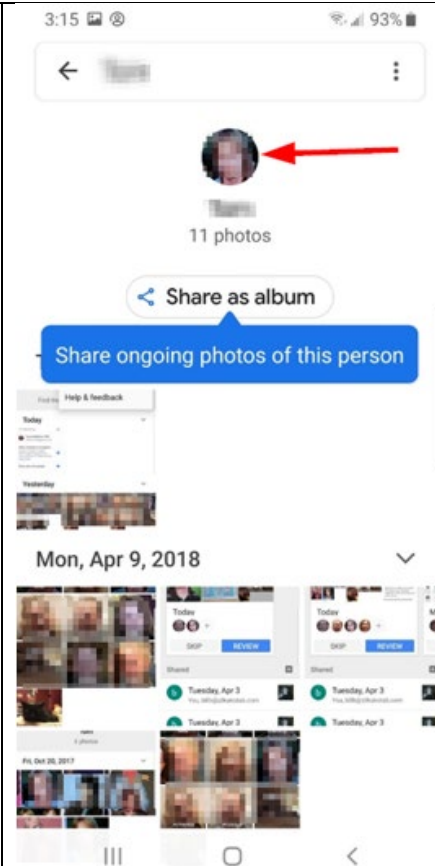


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Additionally, an un-named picture can be displayed with the option to “add a name” link.

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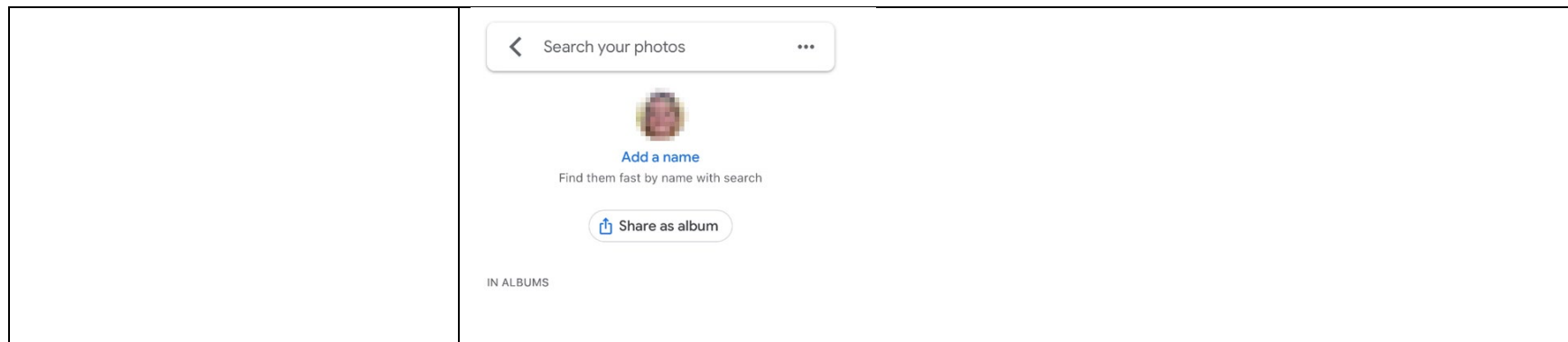


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Claim 16	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the at least one option for sharing includes: a first option for sharing individually-selected images that are displayed as a result of a face filtering operation, and a second option for sharing images automatically based on a face selection without individual image selection.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the at least one option for sharing (e.g., via the “Share as album” option, etc.) includes: a first option for sharing individually-selected images that are displayed as a result of a face filtering operation, and a second option for sharing images automatically based on a face selection without individual image selection. The Accused Samsung Devices therefore infringe these elements of Claim 16 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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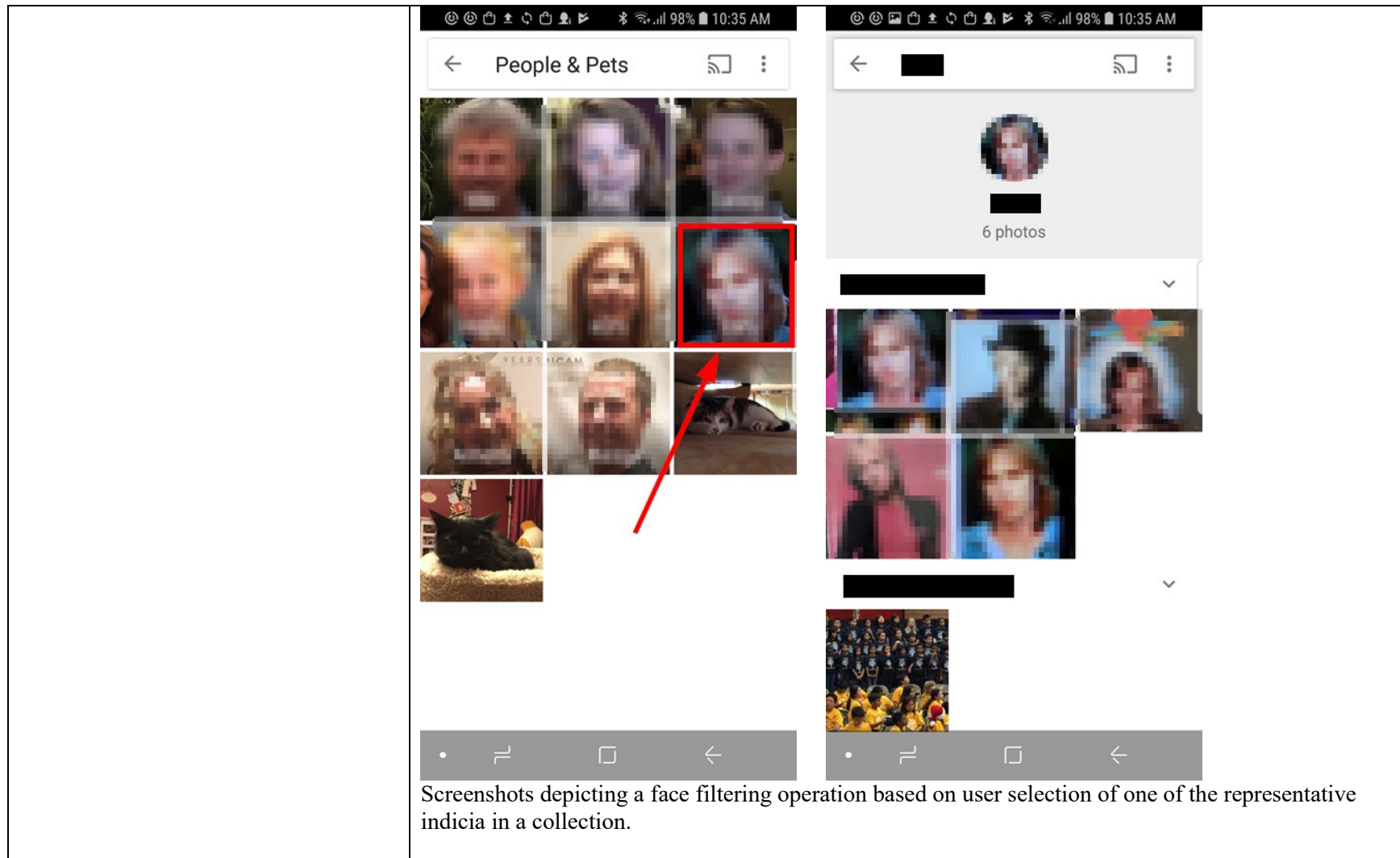
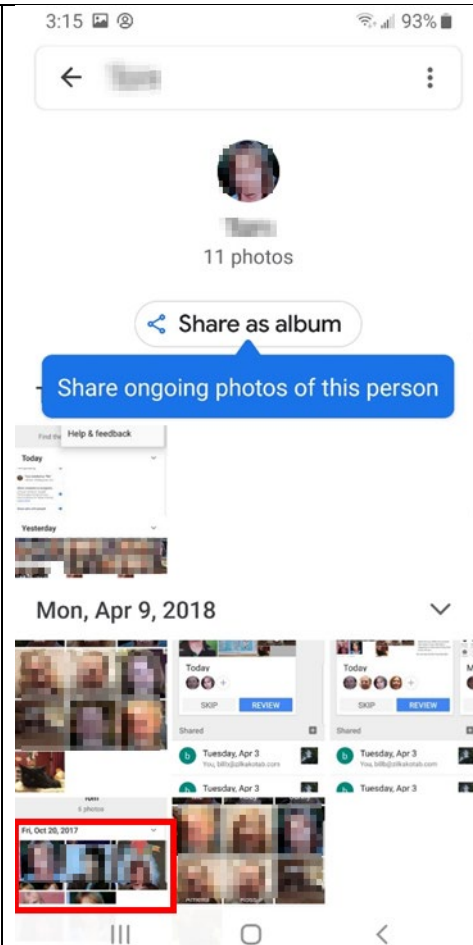


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Screenshot of a second sharing method wherein user selection of individual photos is not required.

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Claim 17	Accused System (emphasis or labels added)
<p>The device as set forth in claim 1, wherein the device is configured such that the at least one option for sharing images includes: a first option for sharing individually-selected images that are displayed as a result of a face and time filtering operation; and a second option for sharing images automatically based on a face and time selection without individual image selection.</p>	<p>Samsung devices infringe Claim 1 wherein the device is configured such that the at least one option for sharing images (e.g., via the “Share as album” option, etc.) includes: a first option for sharing individually-selected images that are displayed as a result of a face and time filtering operation; and a second option for sharing images automatically based on a face and time selection without individual image selection. The Accused Samsung Devices therefore infringe these elements of Claim 17 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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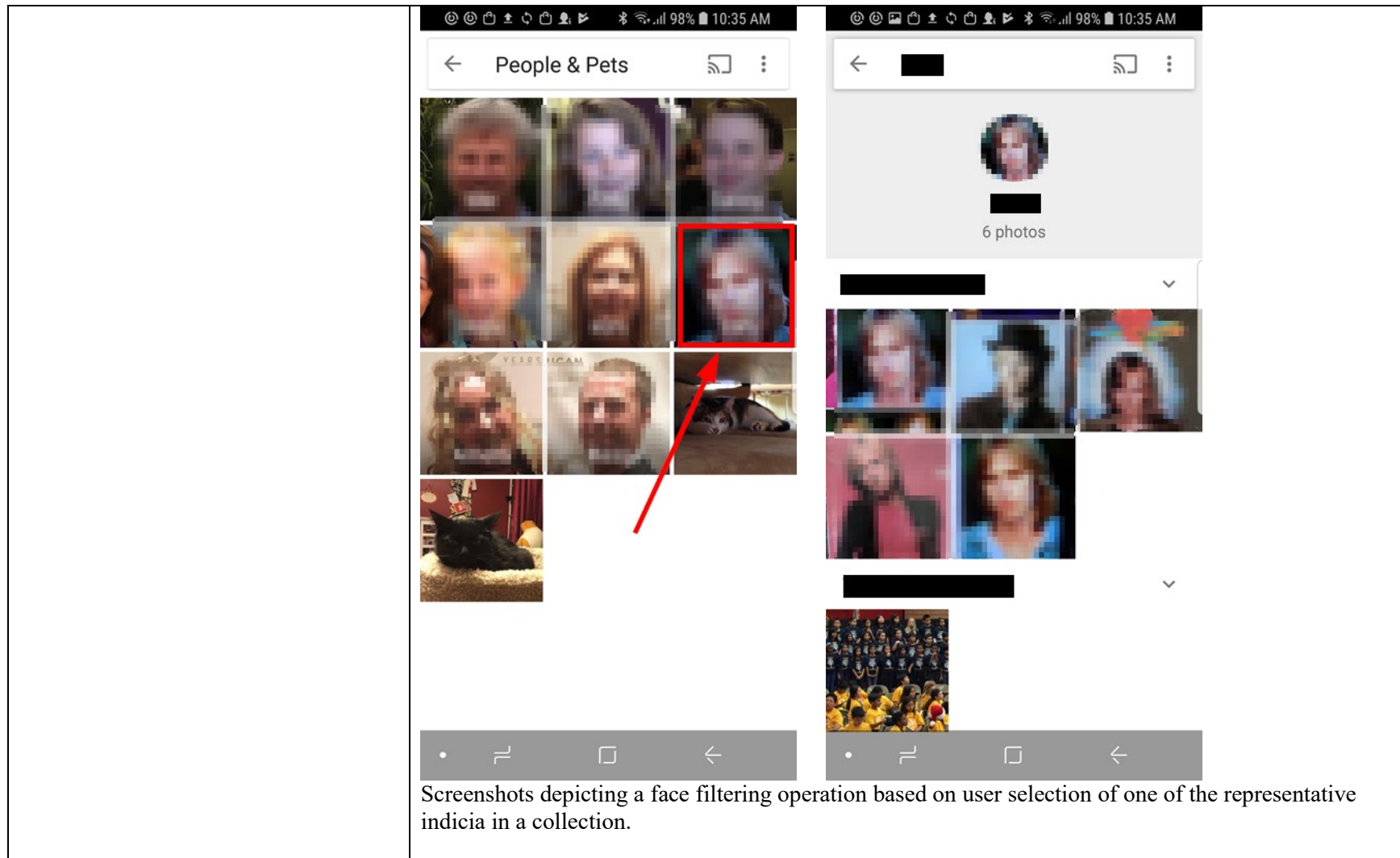
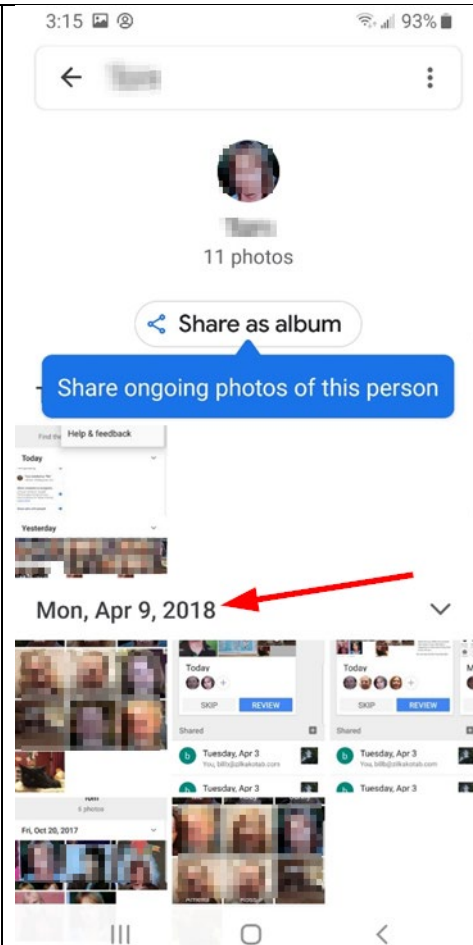


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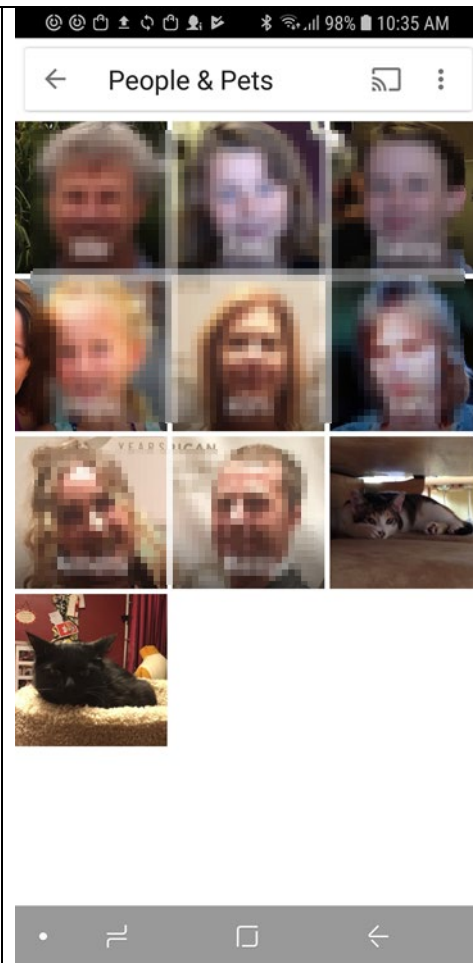


Screenshot of a second sharing method including a time-based criteria wherein user selection of individual photos is not required.

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Claim 19	Accused System (emphasis or labels added)
<p>A device, comprising: a screen; an input mechanism; at least one non-transitory memory storing instructions; and one or more processors in communication with the screen, the input mechanism, and the at least one non-transitory memory, wherein the one or more processors execute the instructions to cause the device to:</p>	<p>Samsung sells a variety of smartphones and tablets (e.g., Samsung Galaxy S10, Galaxy Note, Galaxy Tab, etc.) having Google Photos installed (“Samsung Devices”). Each of Samsung devices includes a screen (i.e., the screen of the device, etc.), an input mechanism (i.e., the touchscreen circuitry enabling touch-based input with the screen, etc.), a hard drive or other non-transitory storage medium (e.g., the 128GB or 512GB hard drive for the Galaxy S10, etc.), and a processor (e.g., the “8 nm 64-bit Octa-Core Processor, 2.73 GHz (Maximum Clock Speed) + 2.31 GHz + 1.95 GHz” or “7 nm 64-bit Octa-Core Processor, 2.84 GHz (Maximum Clock Speed) + 2.41 GHz + 1.78 GHz”). The processor is in communication with the screen, the input mechanism, and the non-transitory medium, i.e., by executing the apps (e.g., Google Photos, etc.) and an operating system installed on Samsung devices.</p>
<p>display, utilizing the screen of the device, a plurality of indicia each including at least a portion of an image including a face;</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, a plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) each including at least a portion of an image including a face;</p>

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“Search your photos

1. On your Android phone or tablet, open the Google Photos app 🌈.
2. Sign in to your Google Account.
3. In the box at the top, type what you want to find, for example:
 - New York City
 - For people or pets you’ve labeled: their name/label.

EXHIBIT 1


	<p>Find photos of a person or pet & apply a label</p> <hr/> <p>Use <u>face groups</u> to more easily search and manage your photos. After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p> <p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none"> 1. On your Android phone or tablet, open the Google Photos app . 2. Sign in to your Google Account. 3. At the top, tap the search bar. <u>You'll see a box with faces.</u> 4. <u>Tap a face to see more photos of them.</u> To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none"> 1. At the top of a face group, tap "Who is this?" 2. Enter a name/label. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
<p>receive, utilizing the input mechanism of the device, a user input indicating a selection of at least one of the plurality of indicia including at least a portion of a first image including a first face;</p>	<p>Samsung devices are configured to receive user input (e.g., a user-instigated touch event, etc.) indicating a selection of one of the photos displayed on the device (i.e., a selection of at least one of the plurality of indicia indicating at least a portion of a first image including a first face, etc.). Samsung devices are configured to receive the user input utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.):</p>

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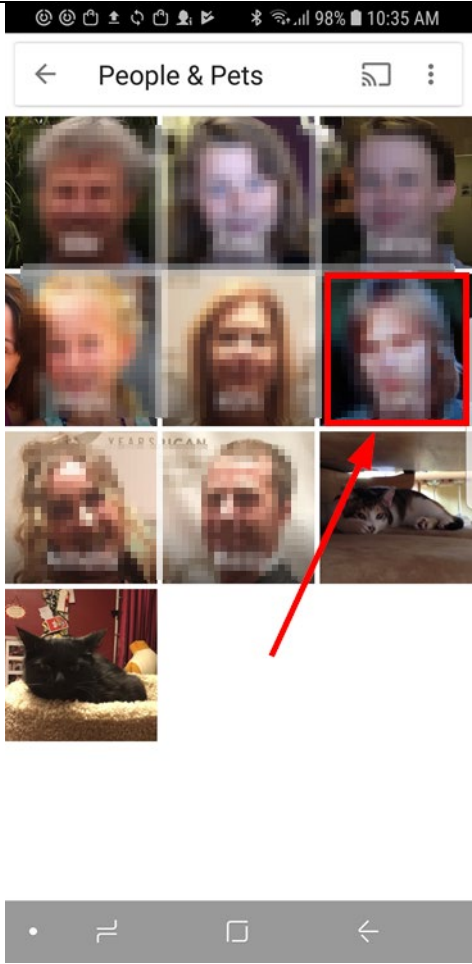
	
<p>after receiving the user input indicating the selection of the at least one of the plurality of indicia, display, utilizing the screen of the device, a set of images including the first face that has been recognized in at least one of a plurality of images accessible via the device;</p>	<p>After receiving the user input indicating the selection of one of the images including a face (i.e., the at least one of the plurality of indicia, etc.), Samsung devices are configured to display a recognized face from the selected image. Samsung devices are further designed to display, using the screen of the device, a set of images, including the recognized face in at least one of a plurality of images accessible via the device:</p>

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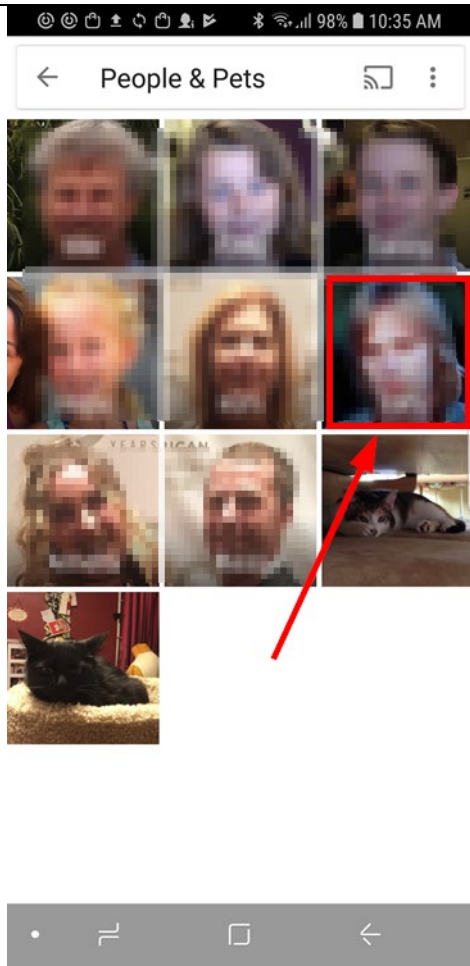
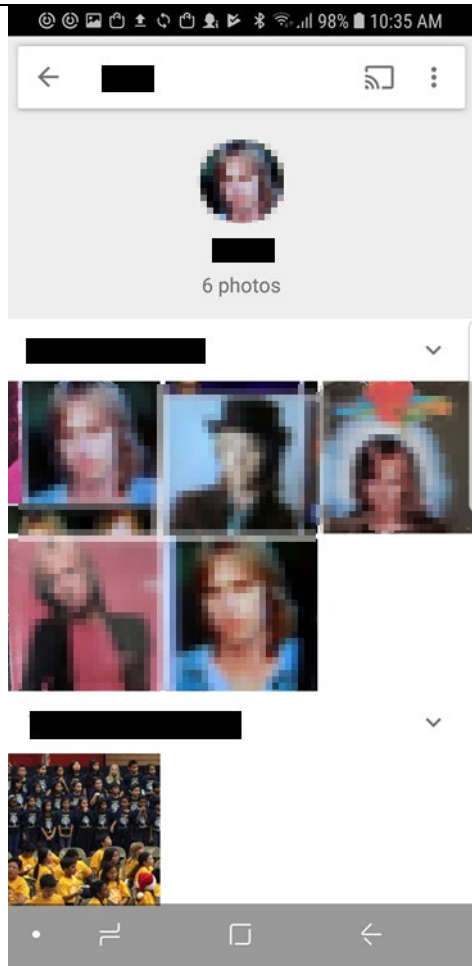
		
display, utilizing the screen of the device, a plurality of suggested identifiers for the first face;	Samsung devices are configured to display, utilizing the screen of the device, a list of potential contact names (i.e. a plurality of suggested identifiers, etc.) to match with the face in the selected image (i.e., the first face, etc.): <u>“Find photos of a person or pet & apply a label</u> <u>Use face groups to more easily search and manage your photos.</u> After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.	

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	<p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none">1. On your Android phone or tablet, open the Google Photos app .2. Sign in to your Google Account.3. At the top, tap the search bar. You'll see a box with faces.4. <u>Tap a face to see more photos of them</u>. To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none">1. At the top of a face group, tap "Who is this?"2. <u>Enter a name/label</u>. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
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EXHIBIT 1

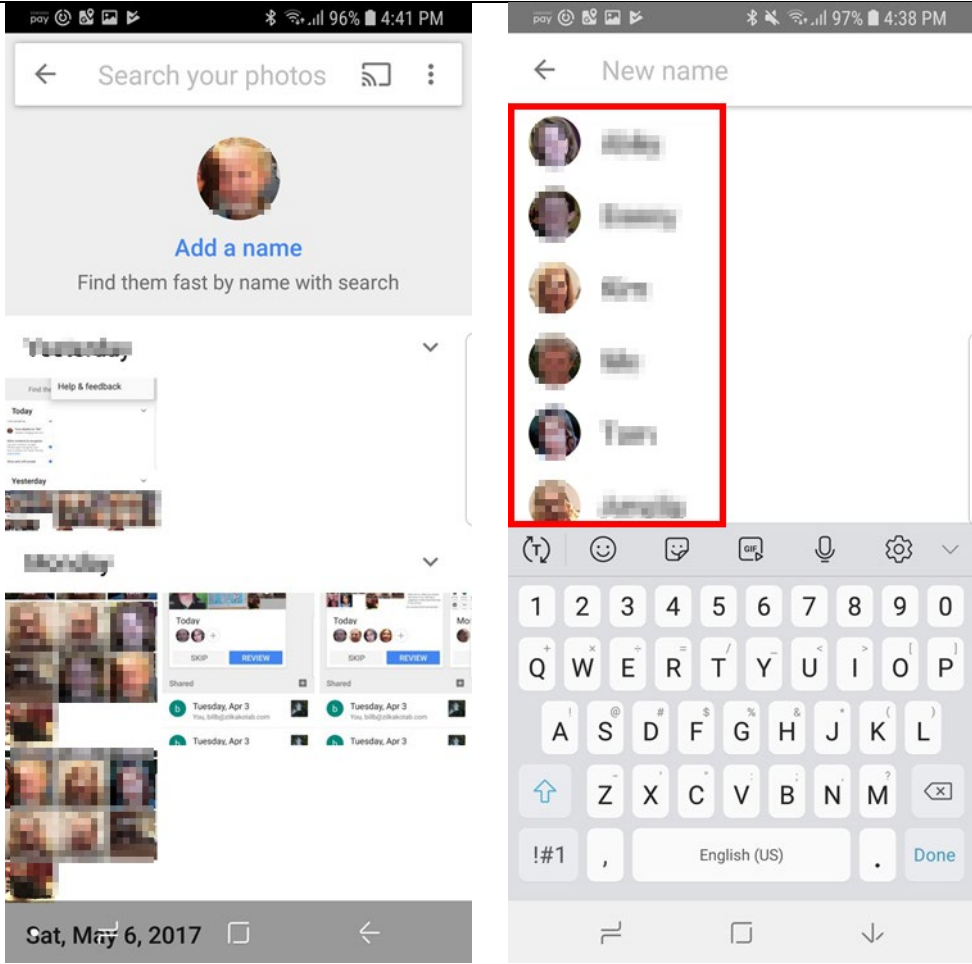
	 <p>Note: “Add a name” brings up a collection of suggested identifiers.</p>
<p>receive, utilizing the input mechanism of the device, a user input indicating at least one of the suggested identifiers or another identifier, resulting in at least one identifier being indicated;</p>	<p>Samsung devices are configured to receive, utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) indicating at least one of the suggested identifiers (e.g., contact names/labels, etc.) or another identifier (e.g., a user-implemented text entry in a “New name” field, etc.), resulting in at least one identifier being indicated;</p>

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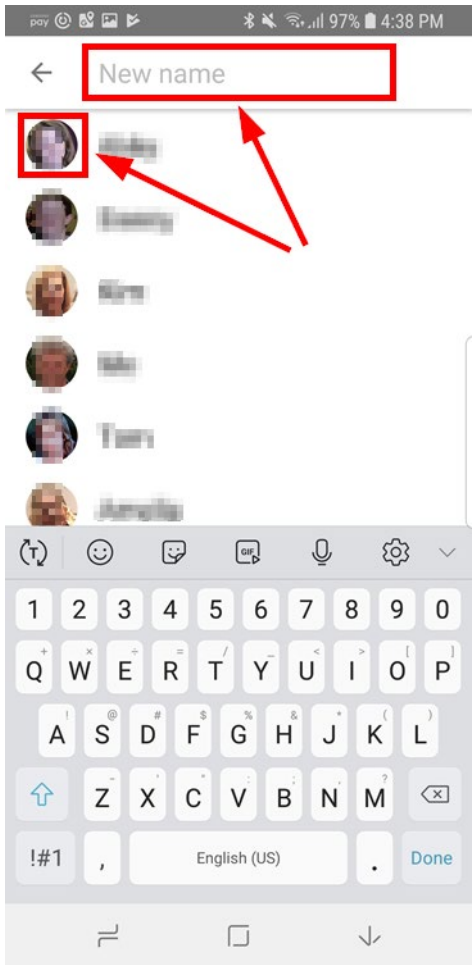
	
<p>after receiving the user input indicating the at least one of the suggested identifiers or the another identifier resulting in the at least one identifier being indicated, cause storage of a</p>	<p>On information and belief, Samsung devices are configured to, after receiving the user input (e.g., a user-instigated touch event, etc.) indicating the at least one of the suggested identifiers (e.g., contact names/labels, etc.) or the another identifier (e.g., a user-implemented text entry in the “New name” field, etc.) resulting in the at least one identifier being indicated, cause storage of a correspondence between the at least one identifier (e.g. a contact identifier, etc.) and the first face (e.g., the portrait or personal photo, etc.). For example, Samsung devices show the photo associated with the name of a</p>

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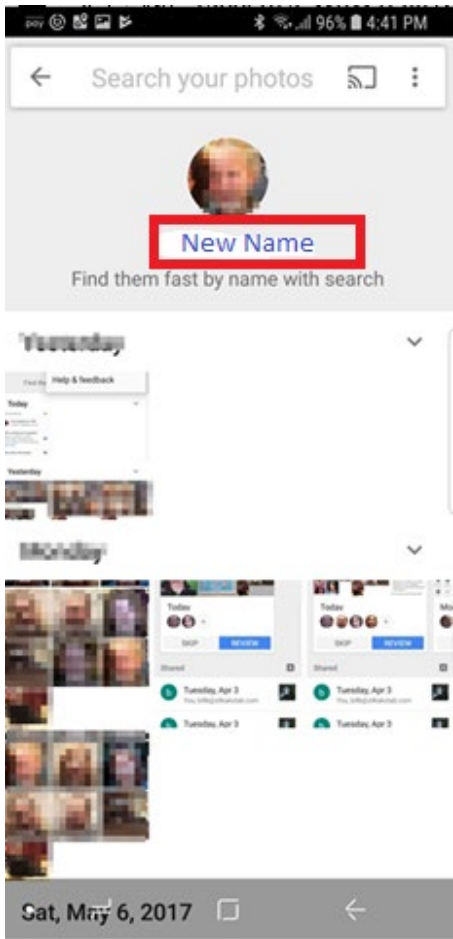
<p>correspondence between the at least one identifier and the first face;</p>	<p>New Contact (e.g., “New Name,” etc.) following the contact name-associated process described above:</p> 
<p>display, utilizing the screen of the device, the at least portion of the first image including the first face with identifier indicia associated with the at</p>	<p>Samsung devices are configured to display, utilizing the screen of the device, the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.). On information and belief, the display of the image and the contact name is based on the correspondence of the image with the contact name.</p>

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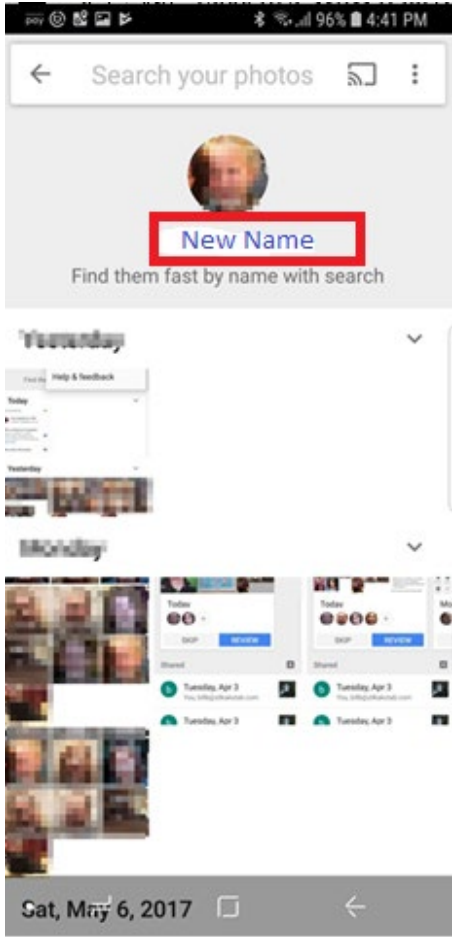
<p>least one identifier, based on the correspondence;</p>	
<p>receive, utilizing the input mechanism of the device, a user input in connection with sharing at least a portion of the set of images including the first face;</p>	<p>Samsung devices are configured to receive, utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) in connection with sharing at least a portion of the set of images (e.g., the faces of the “People & Pets” interface, etc.) including the first face (e.g., the portrait or personal photo, etc.);</p>

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Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).

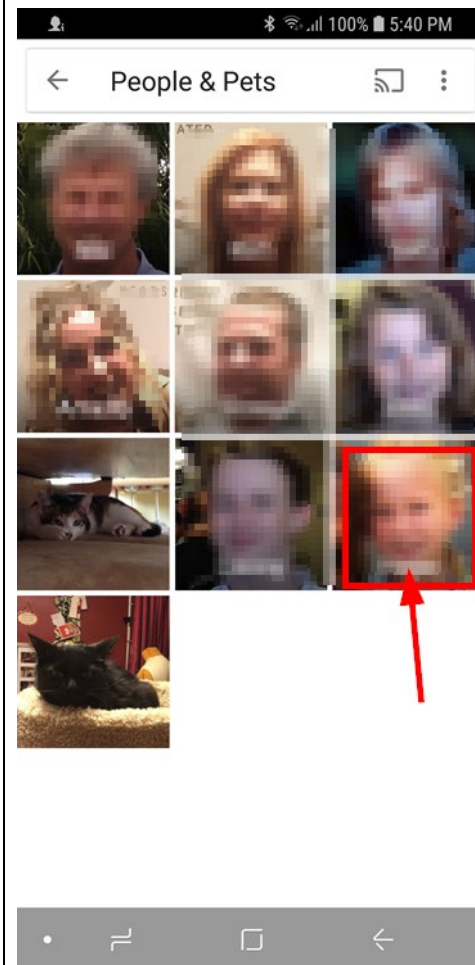


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receive, utilizing the input mechanism of the device, an email address, a phone number, or a name of at least one other person; and

Samsung devices are configured to receive, utilizing the input mechanism of the device, contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices for sharing. Alternatively, Samsung devices are configured to receive, utilizing the input mechanism of the device, a new “name, phone number, or email” of at least one other person for sharing.

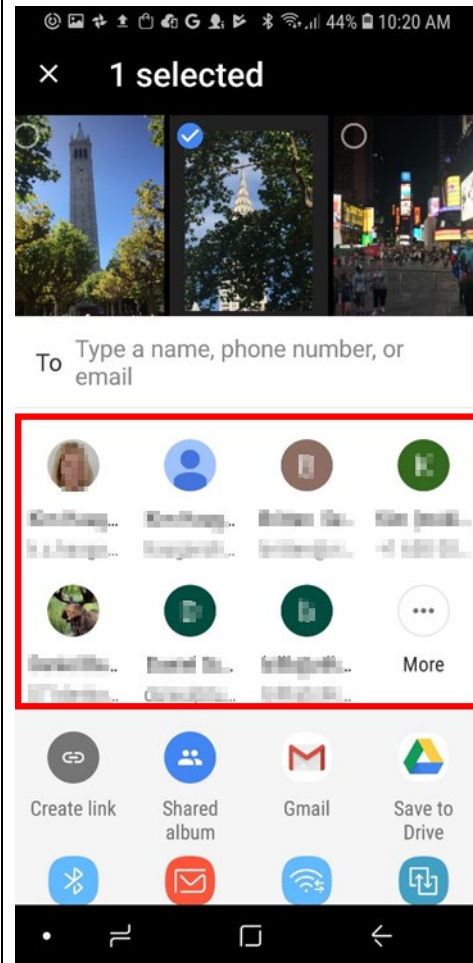


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based on the user input in connection with sharing the at least portion of the set of images including the first face, and utilizing the email address, the phone number, or the name of the at least one other person: cause the sharing of the at least portion of the set of images including the first face.

Samsung devices are configured to, based on the user input (e.g., a user-instigated touch event, etc.) indicate the selection of the at least one of the “People & Pets” from the interface (i.e., in connection with sharing the at least portion of the set of images including the first face, etc.), and utilizing the email address, the phone number, or the name of the at least one other person: cause the sharing (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) of the at least portion of the set of images including the first face (e.g., the portrait or personal photo, etc.).

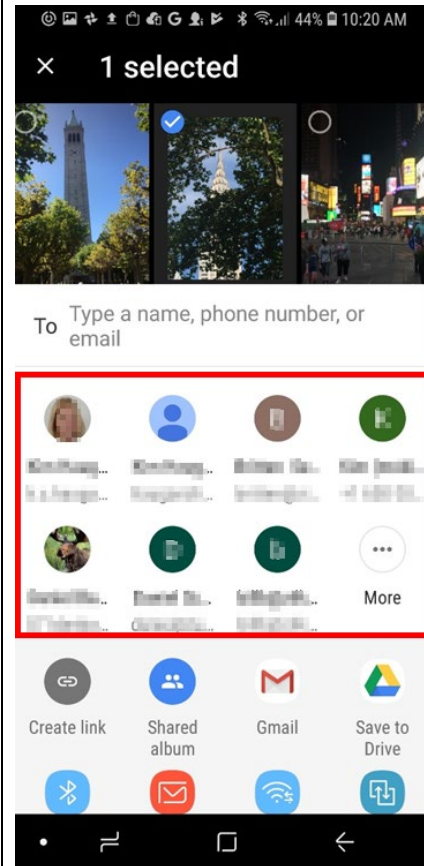


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Claim 20	Accused System (emphasis or labels added)
<p>The device as set forth in claim 19, wherein the device is configured such that the sharing of the at least portion of the set of images including the first face is capable of being performed in connection with a plurality of options for sharing images including a first option where:</p> <p>the email address, the phone number, or the name of the at least one other person is received;</p>	<p>Samsung devices infringe Claim 19 wherein the device is configured such that the sharing of the at least portion of the set of images including the first face (i.e., the at least one of the plurality of indicia, etc.) is capable of being performed in connection with a plurality of options for sharing images including a first option where: the contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices is received. The Accused Samsung Devices therefore infringe these elements of Claim 20 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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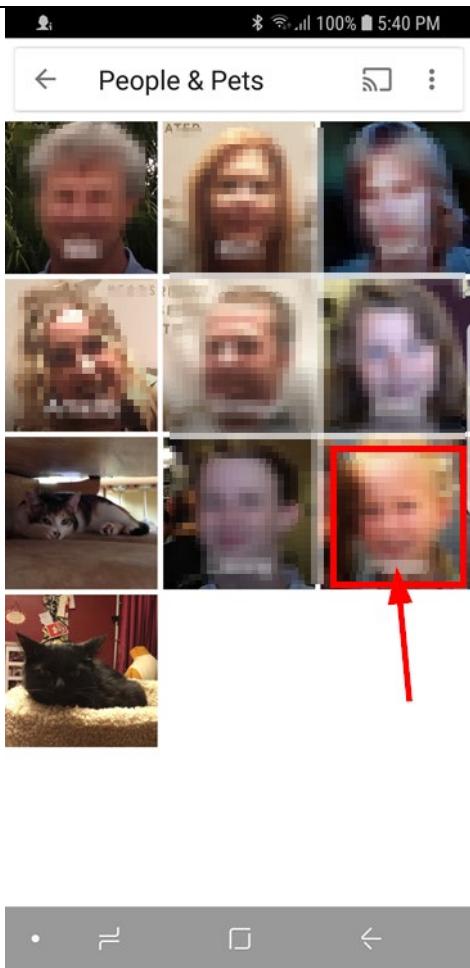
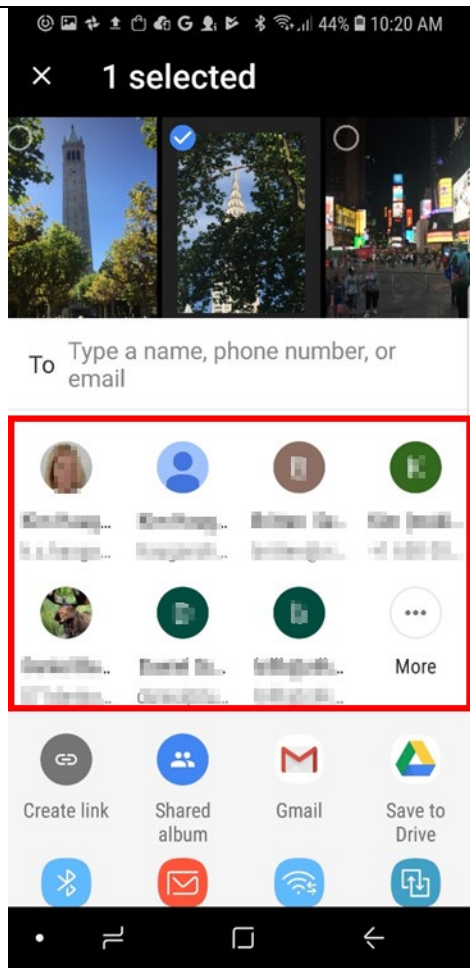
		
the plurality of indicia is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;	Samsung devices are configured such that the plurality of indicia is displayed including the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (i.e., the at least one of the plurality of indicia, etc.) with the identifier indicia associated with the at least one identifier.	

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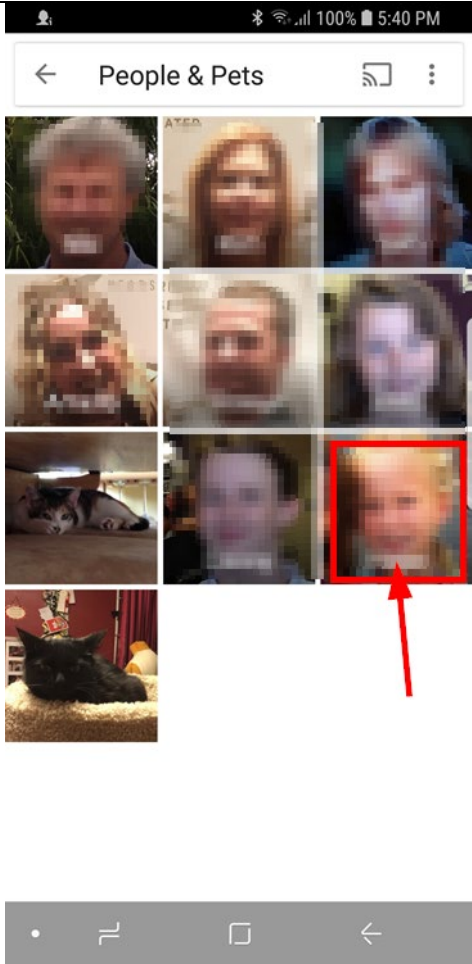
	
<p>the user input in connection with sharing the at least portion of the set of images including the first face is received and indicates a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the</p>	<p>Samsung devices are configured such that the user input (e.g., a user-instigated touch event, etc.) in connection with sharing the at least portion of the set of images including the first face (i.e., the at least one of the plurality of indicia, etc.) is received and indicates a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier.</p>

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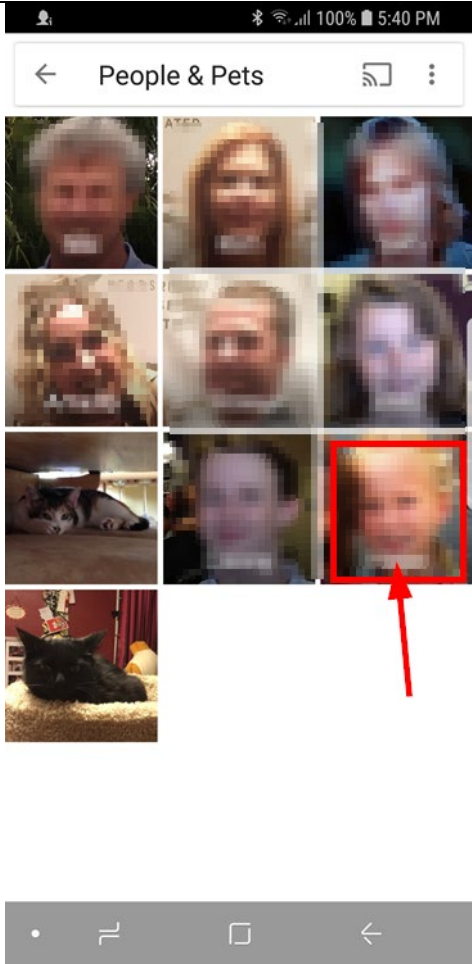
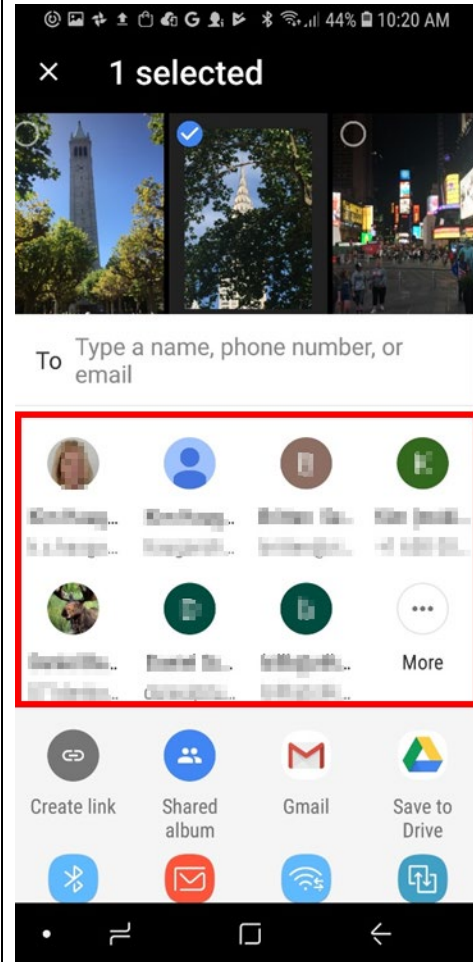
<p>identifier indicia associated with the at least one identifier; and</p>	
<p>based on the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, and utilizing the</p>	<p>Samsung devices are configured such that, based on the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, and utilizing the contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices: the at least portion of the set of images including the first face is caused to be shared by causing an invitation to be sent (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) to the email address of the at</p>

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email address, the phone number, or the name of the at least one other person: the at least portion of the set of images including the first face is caused to be shared by causing an invitation to be sent to the email address of the at least one other person, for soliciting an acceptance of the invitation whereupon access is provided to the at least portion of the set of images via at least one link to a service with an associated one or more servers that store the at least portion of the set of images.

least one other person, for soliciting an acceptance of the invitation whereupon access is provided to the at least portion of the set of images via at least one link to a service with an associated one or more servers that store the at least portion of the set of images.



Claim 21

The device as set forth in claim 20, wherein the device is configured such

Accused System (emphasis or labels added)

Samsung devices infringe Claim 20 wherein the device is configured such that the first option for sharing images (e.g., via the “Share as album” option, etc.) permits the at least portion of the set of

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<p>that the first option for sharing images permits the at least portion of the set of images to be shared by a user of the device, without allowing individual selection of the at least portion of the set of images by the user of the device, and further without permitting the at least portion of the set of images to be sent by the user of the device to the email address of the at least one other person as one or more attachments.</p>	<p>images to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) by a user of the device, without allowing individual selection of the at least portion of the set of images by the user of the device (e.g., all images fitting the album criteria are automatically shared, etc.), and further without permitting the at least portion of the set of images to be sent by the user of the device to the email address of the at least one other person as one or more attachments (e.g., the recipient is provided a link or invitation to view the album contents, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 21 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>
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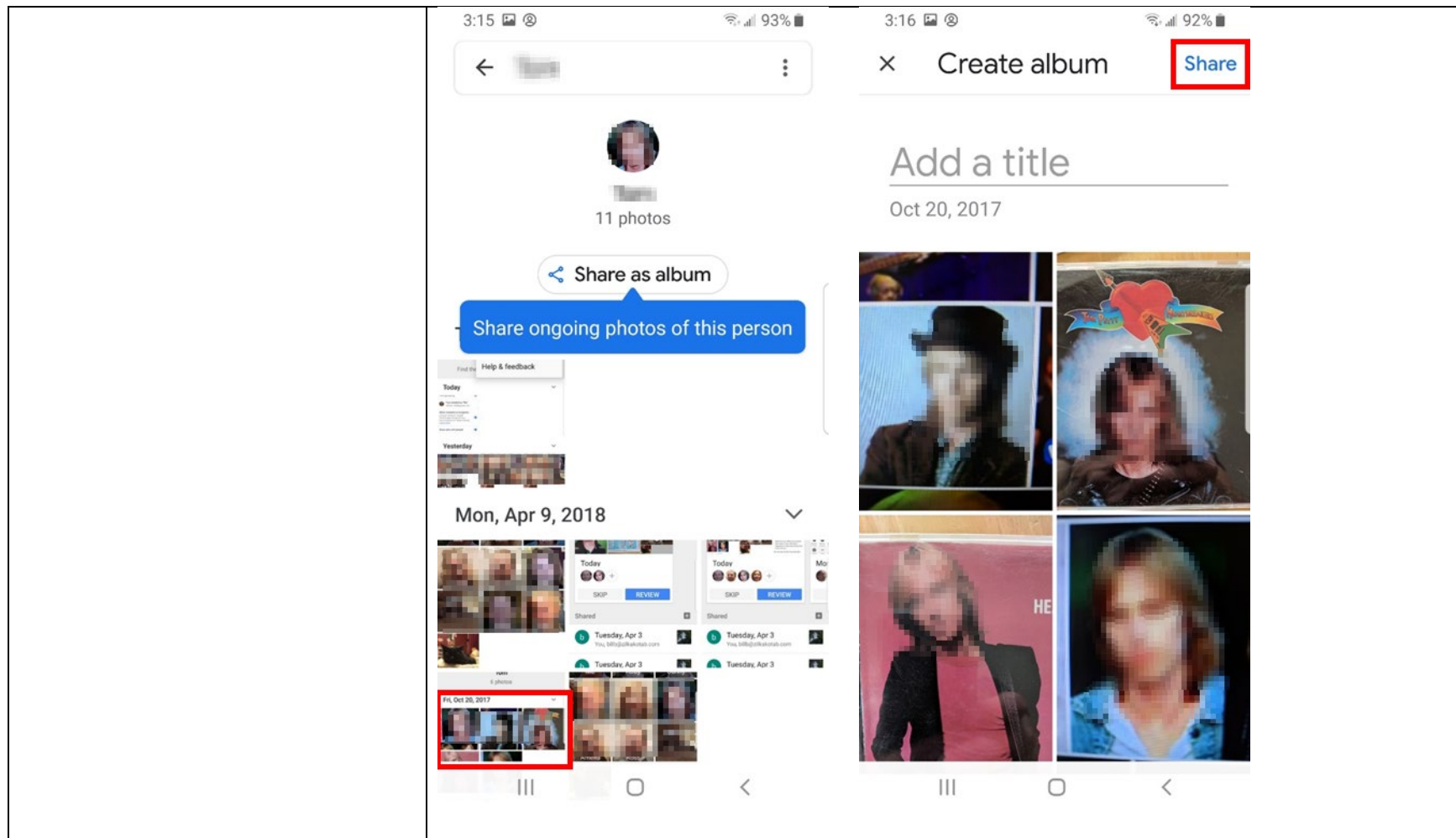


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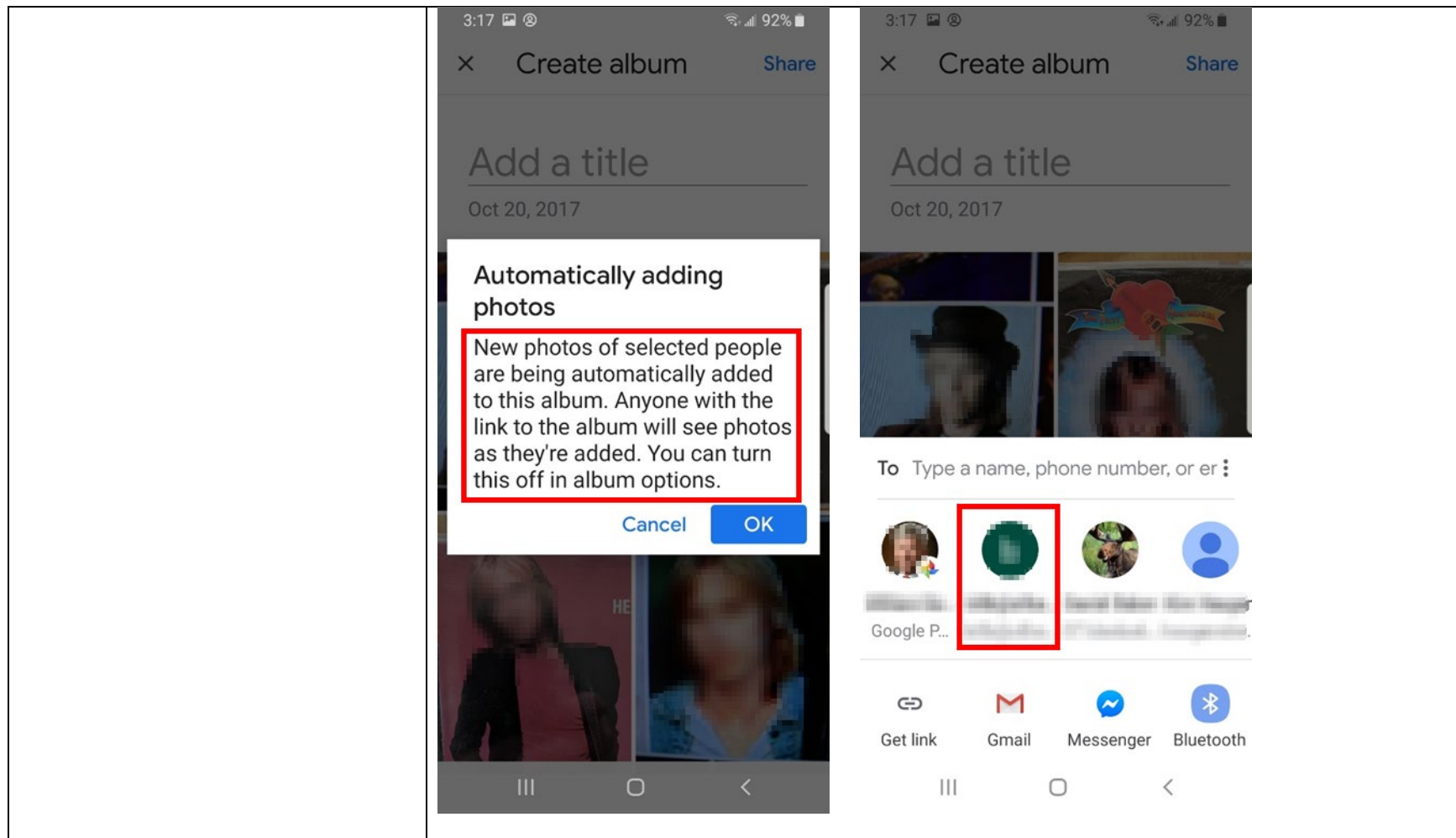


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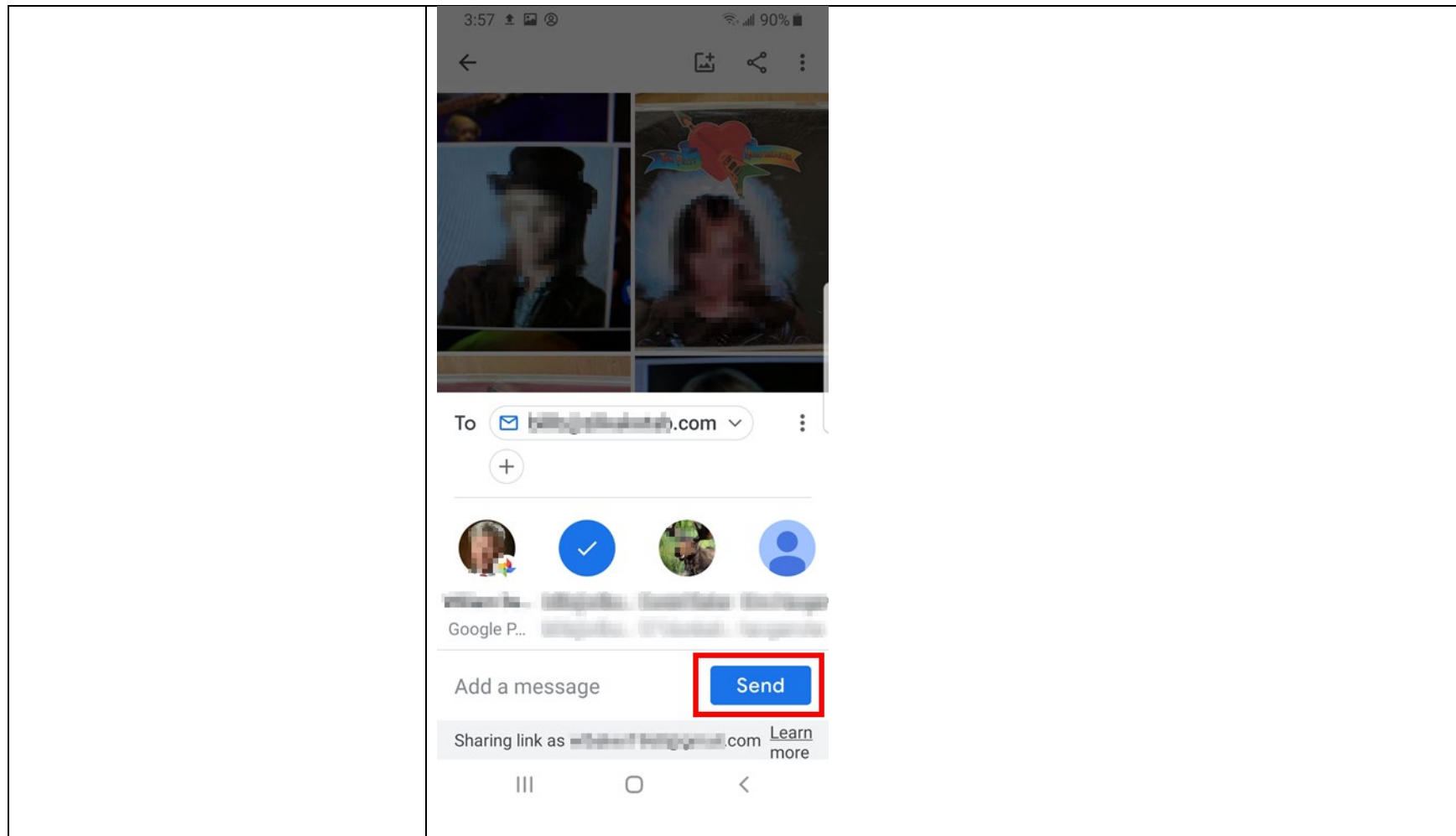


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Claim 22	Accused System (emphasis or labels added)
<p>The device as set forth in claim 20, wherein the device is configured such that the first option for sharing images permits the at least portion of the set of images to be shared by a user of the device in a face-dependent manner that is independent of a time when and a place where the at least portion of the set of images were taken, without allowing individual selection of the at least portion of the set of images by the user of the device, and further without permitting the at least portion of the set of images to be sent by the user of the device to the email address of the at least one other person as one or more attachments.</p>	<p>Samsung devices infringe Claim 20 wherein the device is configured such that the first option for sharing images (e.g., the via the “Share as album” option, etc.) permits the at least portion of the set of images to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) by a user of the device in a face-dependent manner that is independent of a time when and a place where the at least portion of the set of images were taken, without allowing individual selection of the at least portion of the set of images by the user of the device (e.g., all images fitting the album criteria are automatically shared, etc.), and further without permitting the at least portion of the set of images to be sent by the user of the device to the email address of the at least one other person as one or more attachments (e.g., the recipient is provided a link or invitation to view the album contents, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 22 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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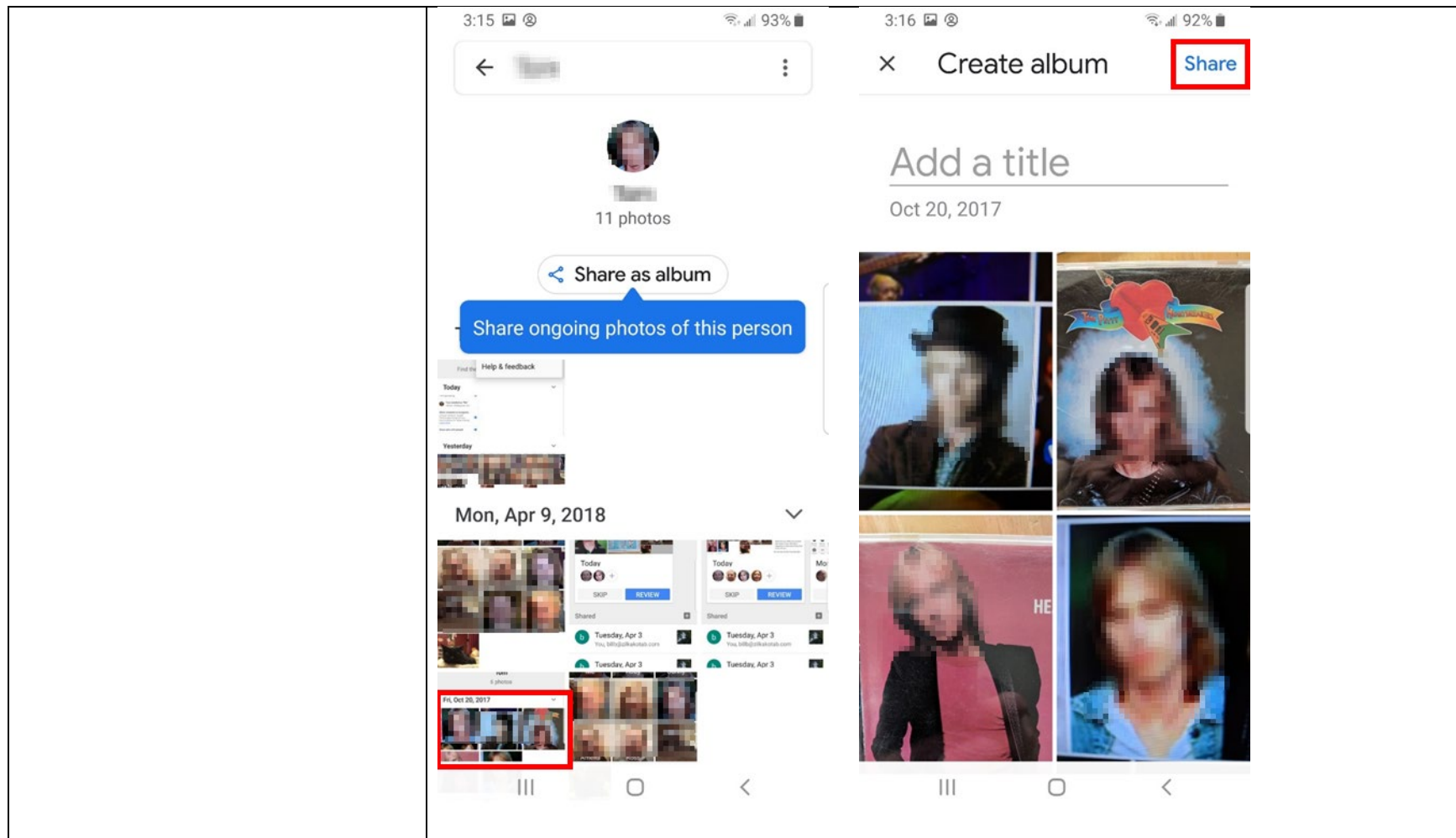


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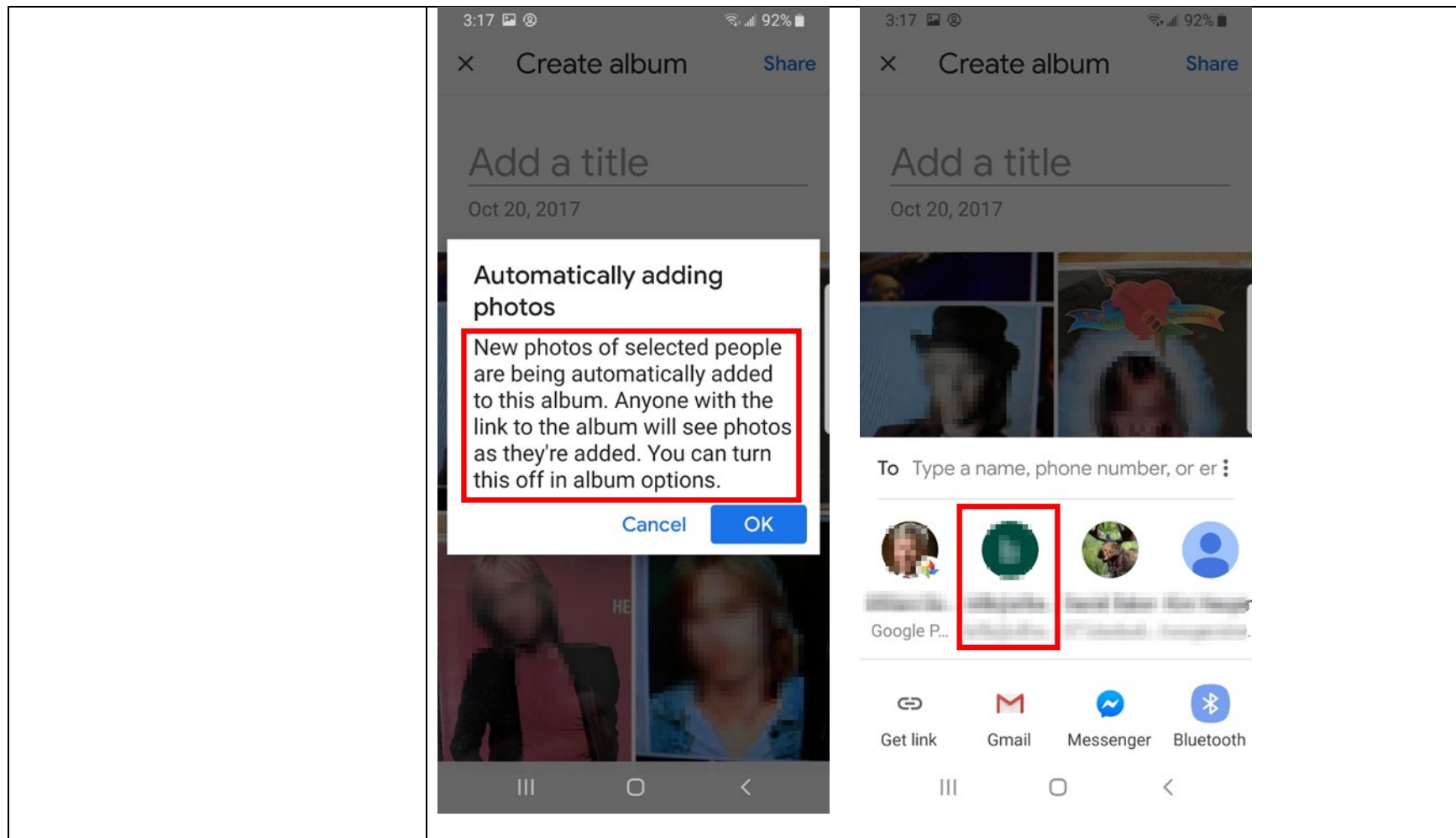


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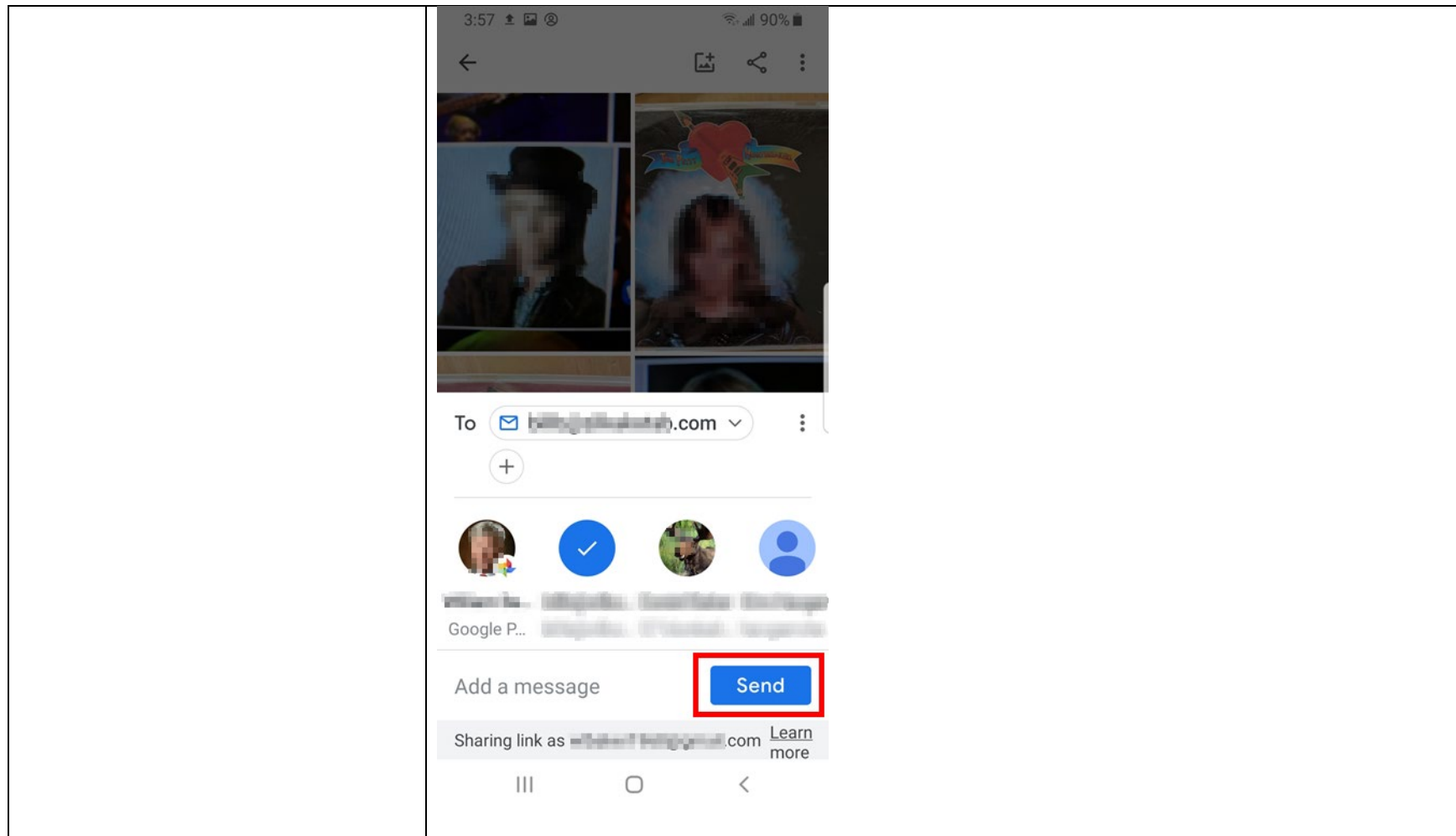


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Claim 23	Accused System (emphasis or labels added)
<p>The device as set forth in claim 20, wherein the device is configured such that the first option for sharing images permits the at least portion of the set of images to be shared by a user of the device such that the at least portion of the set of images that is shared is capable of being automatically updated with subsequently received images in which the first face has been recognized, without allowing one-by-one selection of the at least portion of the set of images by the user of the device.</p>	<p>Samsung devices infringe Claim 20 wherein the device is configured such that the first option for sharing images (e.g., via the “Share as album” option, etc.) permits the at least portion of the set of images to be shared by a user of the device such that the at least portion of the set of images that is shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) is capable of being automatically updated with subsequently received images in which the first face has been recognized, without allowing one-by-one selection of the at least portion of the set of images by the user of the device (e.g., all images fitting the album criteria are automatically shared, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 23 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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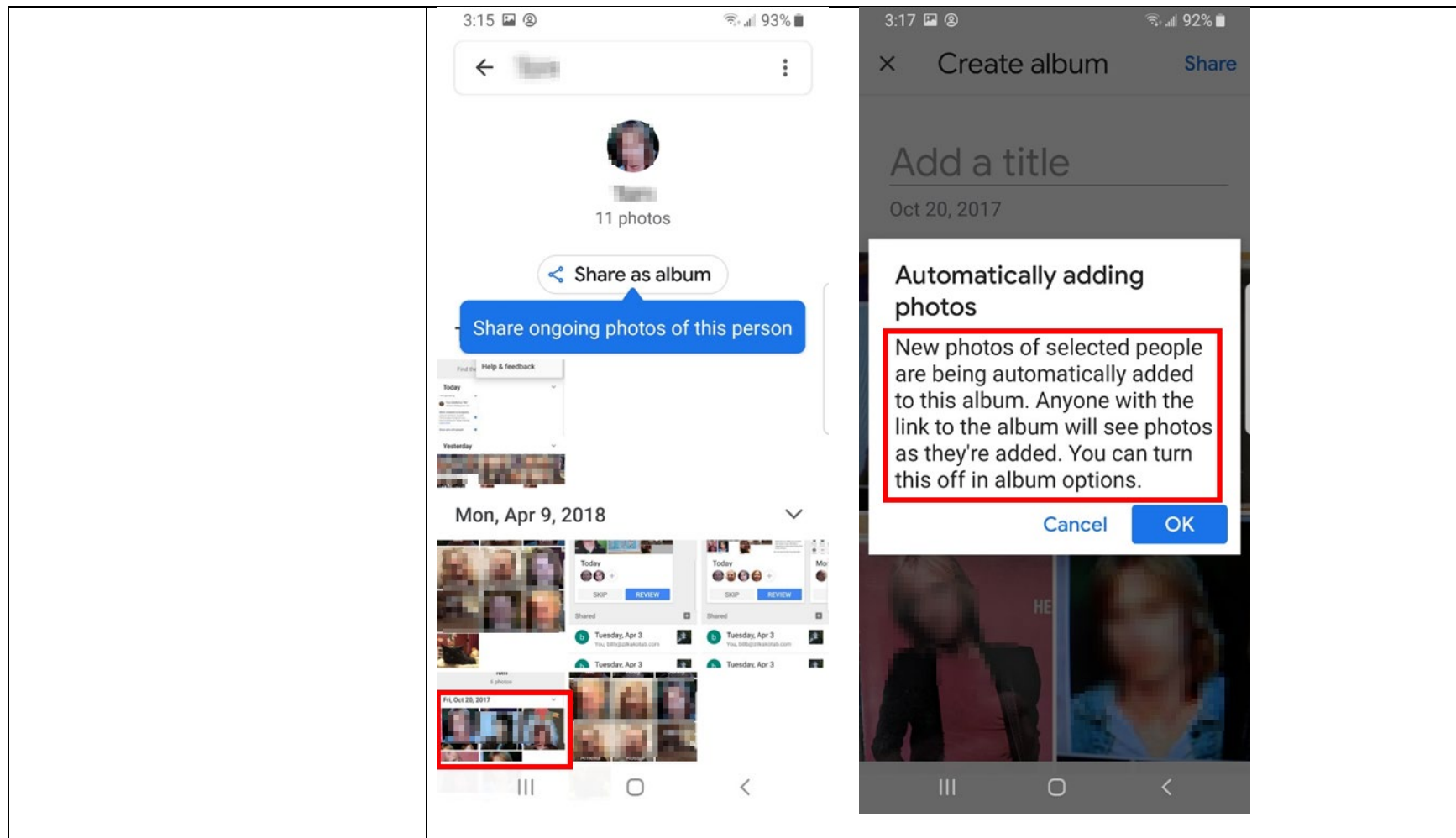


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Claim 24	Accused System (emphasis or labels added)
<p>The device as set forth in claim 20, wherein the device is configured such that the sharing of the at least portion of the set of images including the first face is further capable of being performed in connection with a second option where:</p> <p>the plurality of indicia is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier</p>	<p>Samsung devices infringe Claim 20 wherein the device is configured such that the sharing of the at least portion of the set of images including the first face is further capable of being performed in connection with a second option where the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.). The Accused Samsung Devices therefore infringe these elements of Claim 24 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> <p><u>Note:</u> The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).</p>

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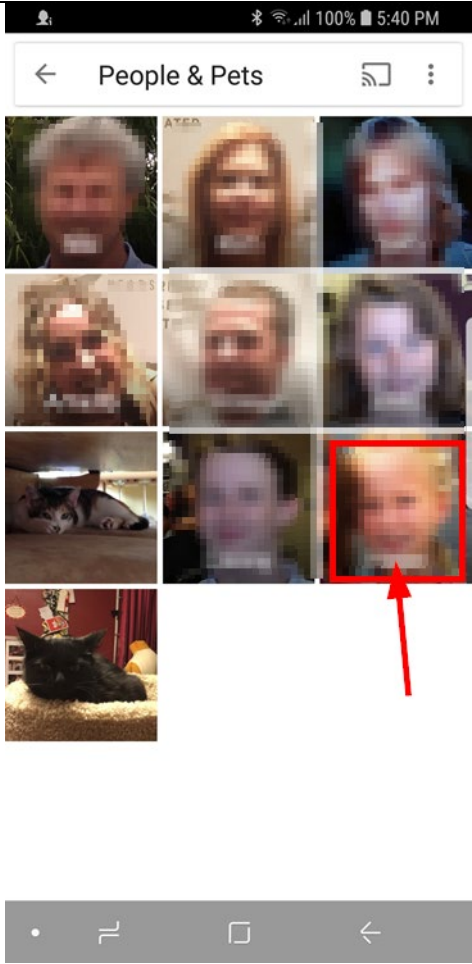
	
<p>a user input is received indicating a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;</p>	<p>Samsung devices are configured such that a user input (e.g., a user-instigated touch event, etc.) is received indicating a selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.).</p>

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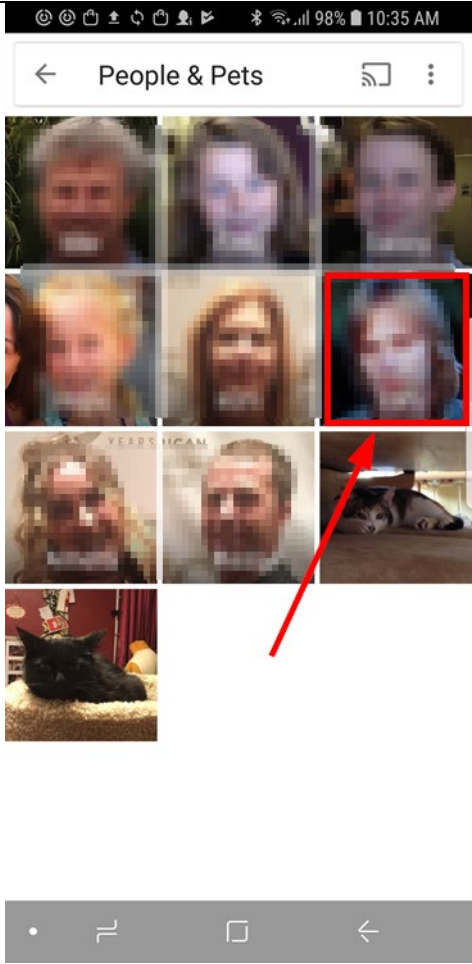
	
<p>after receiving the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, the set of images is</p>	<p>Samsung devices are configured such that, after receiving the user input (e.g., a user-instigated touch event, etc.) indicating the selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, the set of images is displayed including the first face (e.g., the portrait or personal photo, etc.) that has been recognized in at least one of the plurality of images accessible via the device.</p>

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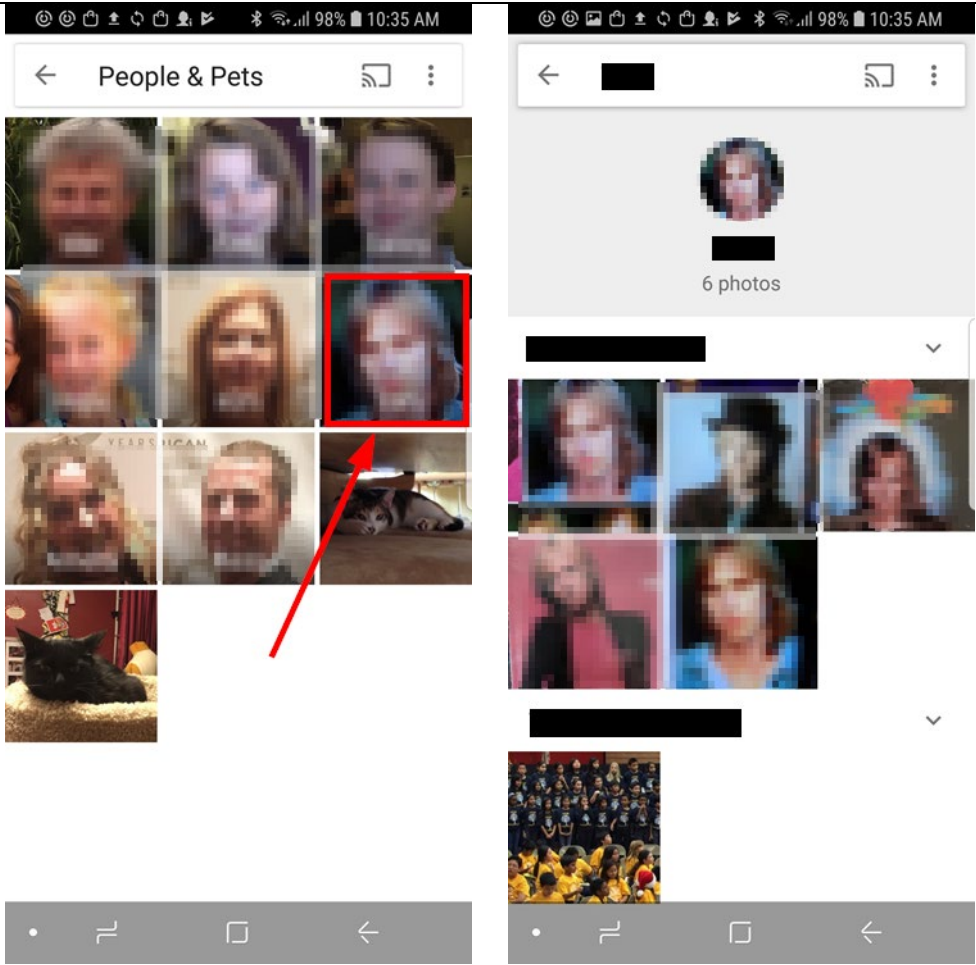
<p>displayed including the first face that has been recognized in at least one of the plurality of images accessible via the device;</p>	 <p>The image consists of two side-by-side screenshots of a mobile gallery application. Both screenshots show a status bar at the top with 98% battery and 10:35 AM. The left screenshot has a title bar 'People & Pets' and shows a grid of photos. A red rectangle highlights a photo of a person's face in the second row, third column, with a red arrow pointing to it. The right screenshot shows a similar grid but with a different selection of photos. Both screenshots have a bottom navigation bar with icons for home, search, gallery, and back.</p>
<p>the user input in connection with sharing the at least portion of the set of images including the first face is received for individual selection of the at least portion of the set of images;</p>	<p>Samsung devices are configured such that the user input (e.g., a user-instigated touch event, etc.) in connection with sharing the at least portion of the set of images including the first face (e.g., the portrait or personal photo, etc.) is received for individual selection of the at least portion of the set of images.</p>

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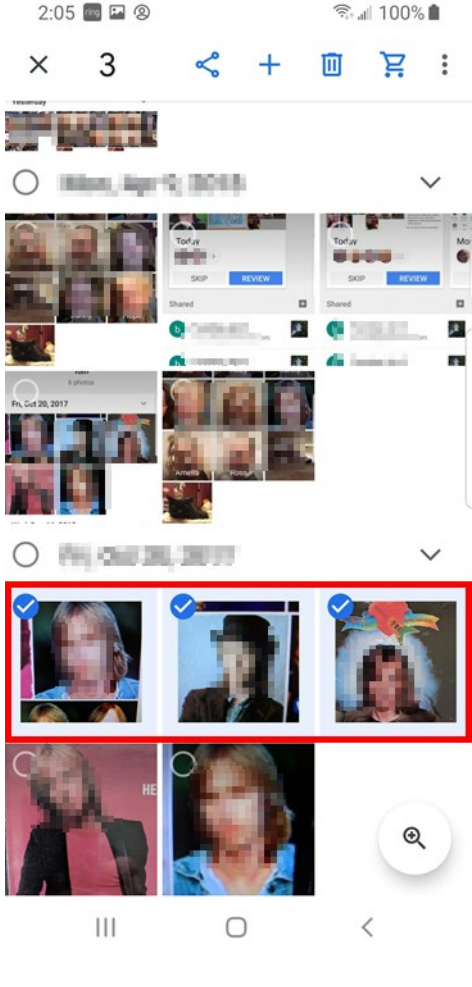
	
<p>after receiving the user input for the individual selection of the at least portion of the set of images, a plurality of communication options is displayed including at least two of an email communication option, an instant</p>	<p>Samsung devices are configured such that, after receiving the user input (e.g., a user-instigated touch event, etc.) for the individual selection of the at least portion of the set of images, a plurality of communication options is displayed including at least two of an email communication option, an instant message communication option, and a social network communication option.</p>

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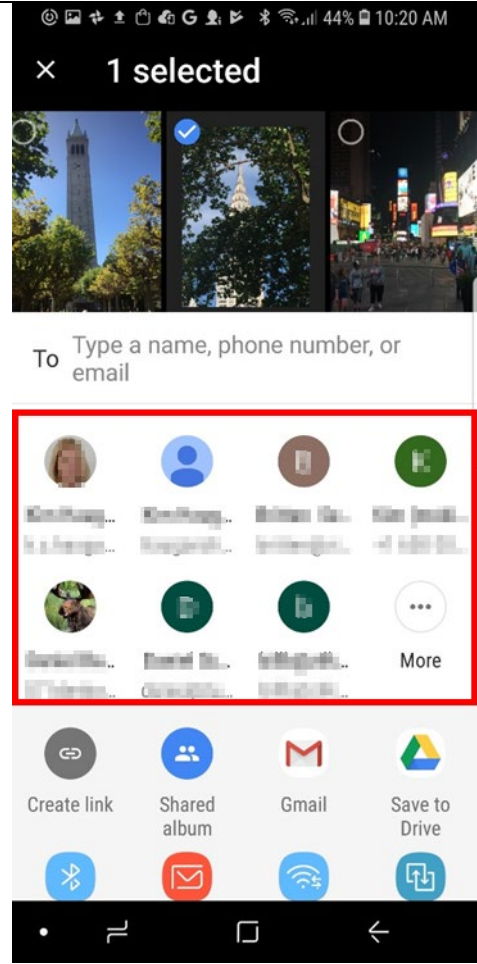
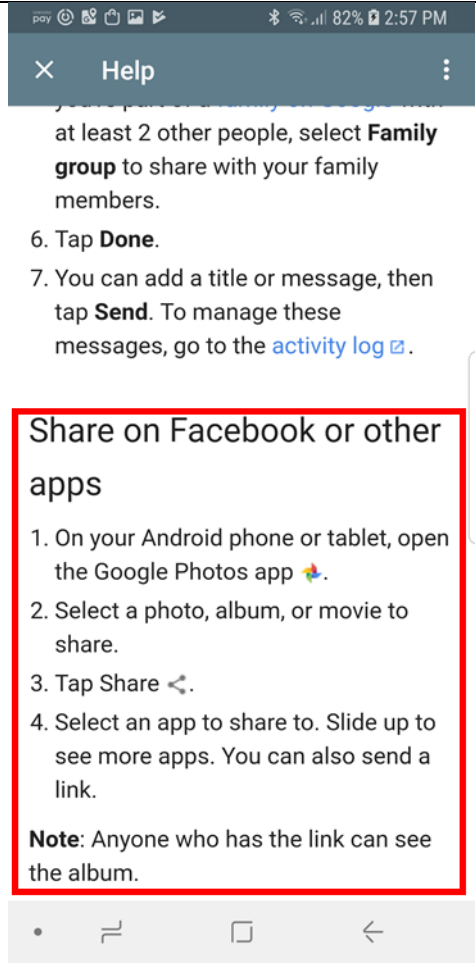
<p>message communication option, and a social network communication option;</p>	<div data-bbox="688 191 1161 1149">  </div> <div data-bbox="1192 191 1665 1149">  </div>
<p>after displaying the plurality of communication options including at least two of the email communication option, the instant message communication option, and the social network communication option: a user input is received indicating a selection</p>	<p>Samsung devices are configured such that, after displaying the plurality of communication options including at least two of the email communication option, the instant message communication option, and the social network communication option: a user input (e.g., a user-instigated touch event, etc.) is received indicating a selection of at least one of the email communication option, the instant message communication option, or the social network communication option.</p>

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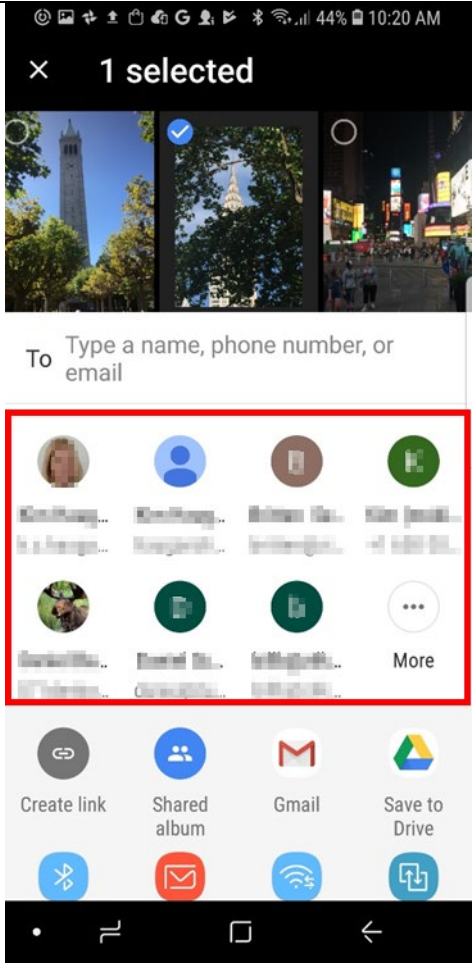
<p>of at least one of the email communication option, the instant message communication option, or the social network communication option;</p>	 <p>The screenshot shows an Android interface for sharing a photo. At the top, the status bar indicates 44% battery and 10:20 AM. Below the status bar, a dark header shows '1 selected' with a close button. The main area displays a grid of photos, with one photo selected (indicated by a blue checkmark). Below the photo grid is a 'To' field with the placeholder text 'Type a name, phone number, or email'. Below the 'To' field is a grid of contact avatars, with one avatar selected. Below the contact grid is a 'More' button. At the bottom, there is a row of sharing options: 'Create link', 'Shared album', 'Gmail', and 'Save to Drive'. Below these options is a row of icons for sharing via other apps: a blue icon, a red envelope icon, a blue Wi-Fi icon, and a blue icon with a square and an arrow. The bottom of the screen shows the Android navigation bar with a back button, a home button, and a recent apps button.</p>
<p>the email address, the phone number, or the name of the at least one other person is received; and</p> <p>after receiving the email address, the phone number, or the name of the at least one other person and based on the</p>	<p>Samsung devices are configured such that the email address, the phone number, or the name of the at least one other person is received and after receiving the email address, the phone number, or the name of the at least one other person and based on the user input (e.g., a user-instigated touch event, etc.) indicating the selection of at least one of the email communication option, the instant message communication option, or the social network communication option: the at least portion of the set of images is caused to be shared (e.g., via the “Send” button after specifying all of the recipients from</p>

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user input indicating the selection of at least one of the email communication option, the instant message communication option, or the social network communication option: the at least portion of the set of images is caused to be shared via at least one of the email communication option, the instant message communication option, or the social network communication option.

the collection of available contact indicia, etc.) via at least one of the email communication option, the instant message communication option, or the social network communication option.

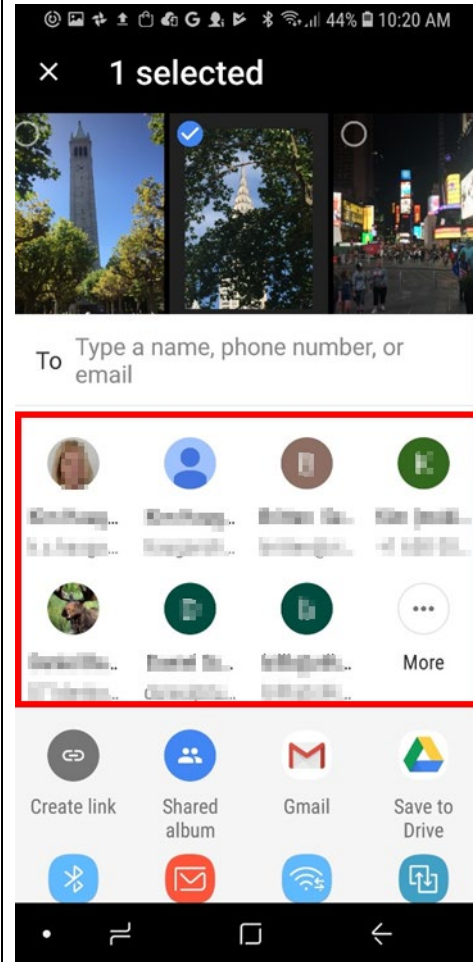


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Claim 25	Accused System (emphasis or labels added)
<p>The device as set forth in claim 24, wherein the device is configured such that the individual selection of the at least portion of the set of images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at least one of the email communication option, the instant message communication option, or the social network communication option.</p>	<p>Samsung devices infringe Claim 24 wherein the device is configured such that the individual selection of the at least portion of the set of images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at least one of the email communication option, the instant message communication option, or the social network communication option. The Accused Samsung Devices therefore infringe these elements of Claim 25 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>

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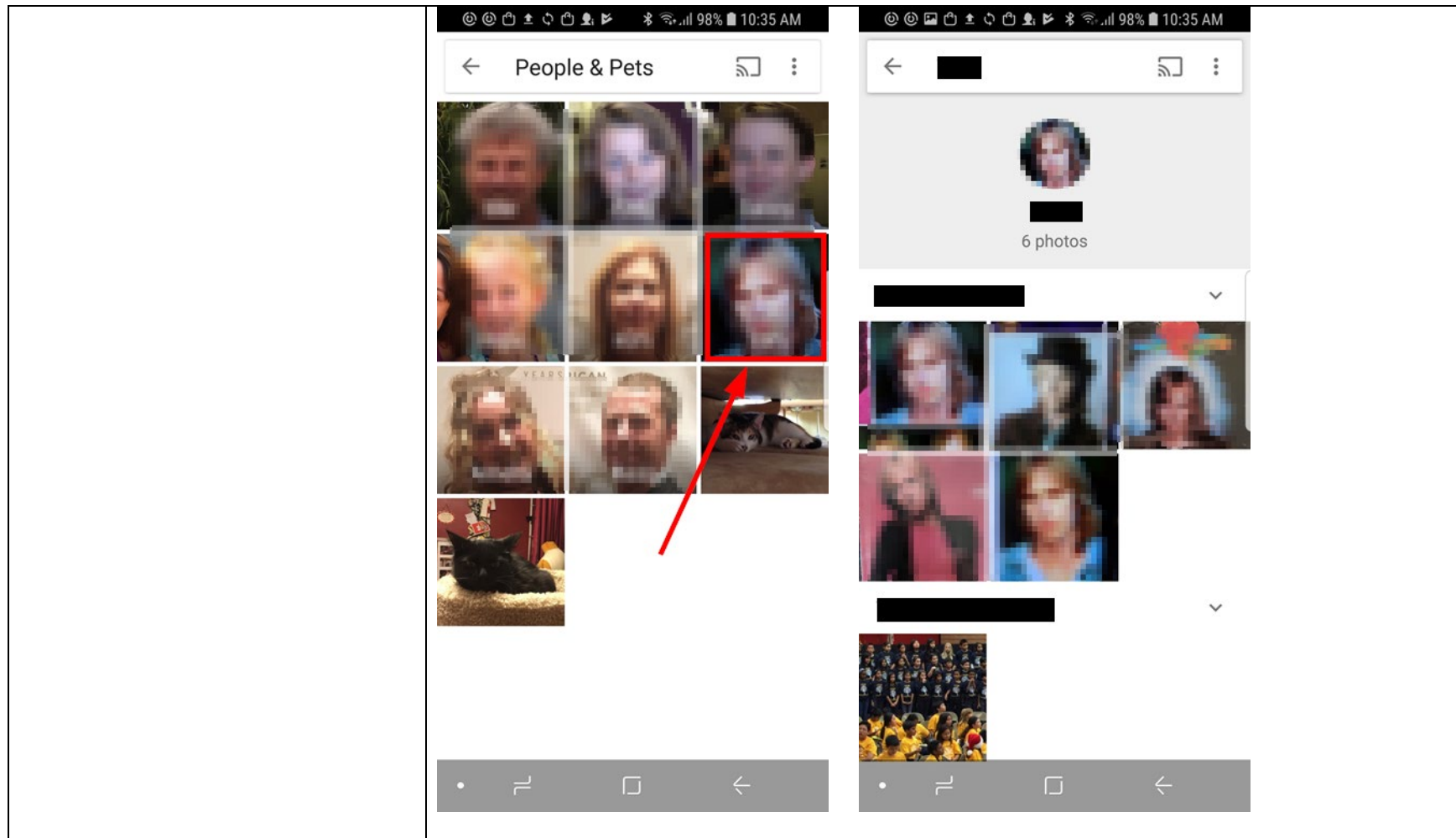
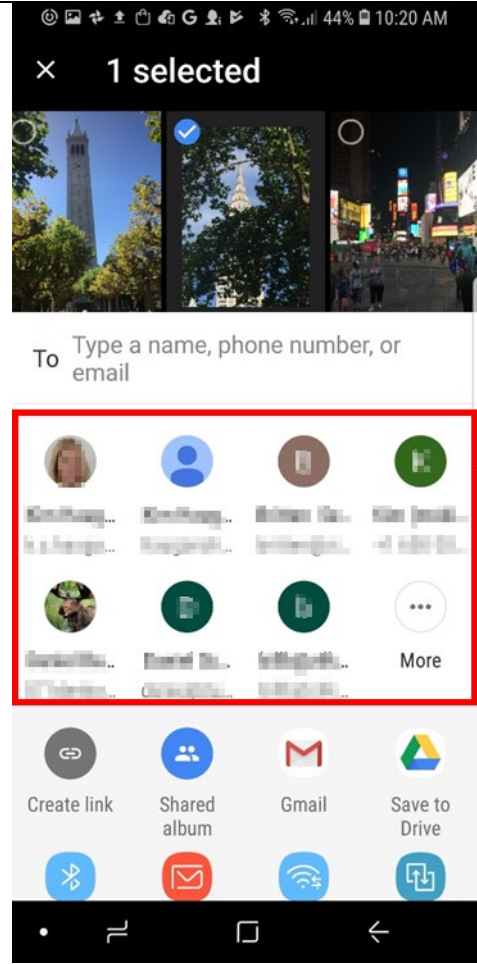


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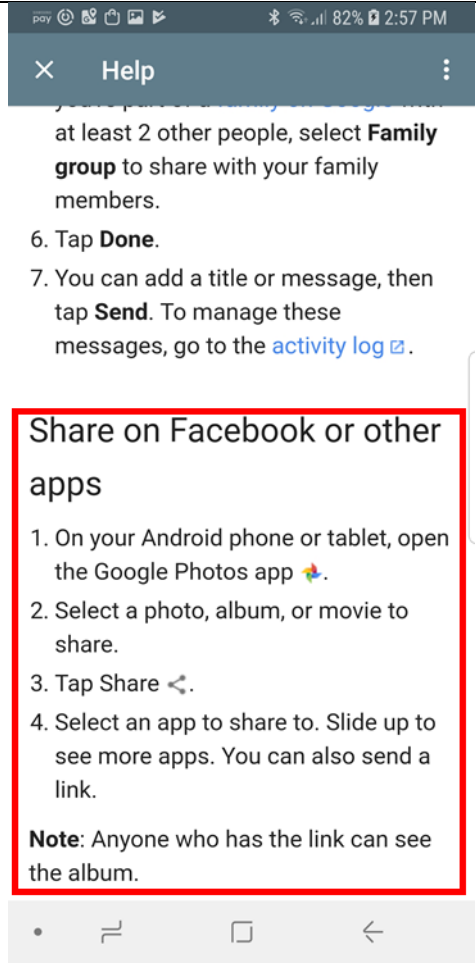


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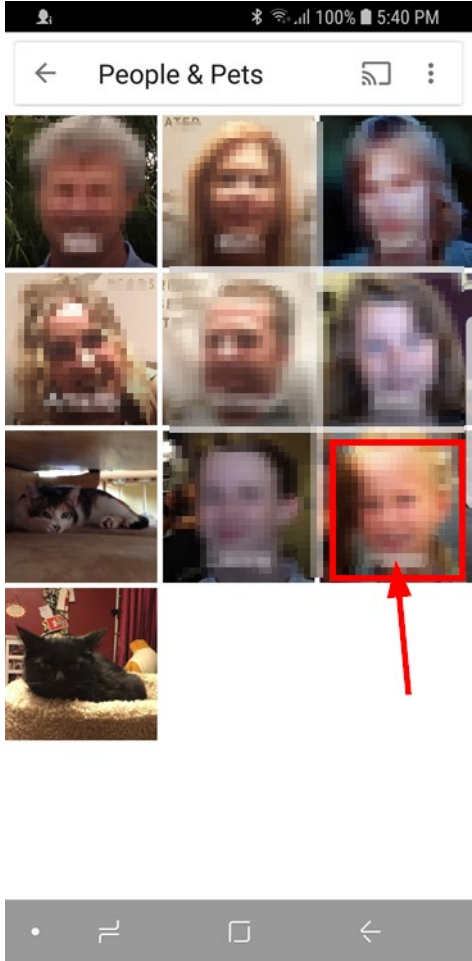
Claim 26	Accused System (emphasis or labels added)
<p>The device as set forth in claim 25, wherein the device is configured such that:</p> <p>another set of images is displayed as a sharing opportunity;</p>	<p>Samsung devices infringe Claim 25 wherein the device is configured such that: another set of images (e.g., the faces of the “People & Pets” interface, etc.) is displayed as a sharing opportunity. The Accused Samsung Devices therefore infringe these elements of Claim 26 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p>  <p>The screenshot shows a mobile application interface titled "People & Pets". At the top, there is a status bar with icons for signal, Wi-Fi, and battery at 100%, and the time 5:40 PM. Below the title bar, there is a grid of images. The grid contains several small images of people's faces and two larger images of cats. One of the face images, located in the third row, third column, is highlighted with a red square. A red arrow points from below the grid to this highlighted image. At the bottom of the screen, there is a navigation bar with icons for home, back, and other functions.</p>

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<p>one or more of the plurality of indicia is displayed corresponding to one or more faces recognized in one or more of the another set of images;</p>	<p>Samsung devices are configured such that one or more of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed corresponding to one or more faces recognized in one or more of the another set of images.</p> 
<p>a user input is received in connection with the sharing opportunity; and</p>	<p>Samsung devices are configured such that a user input (e.g., a user-instigated touch event, etc.) is received in connection with the sharing opportunity.</p>

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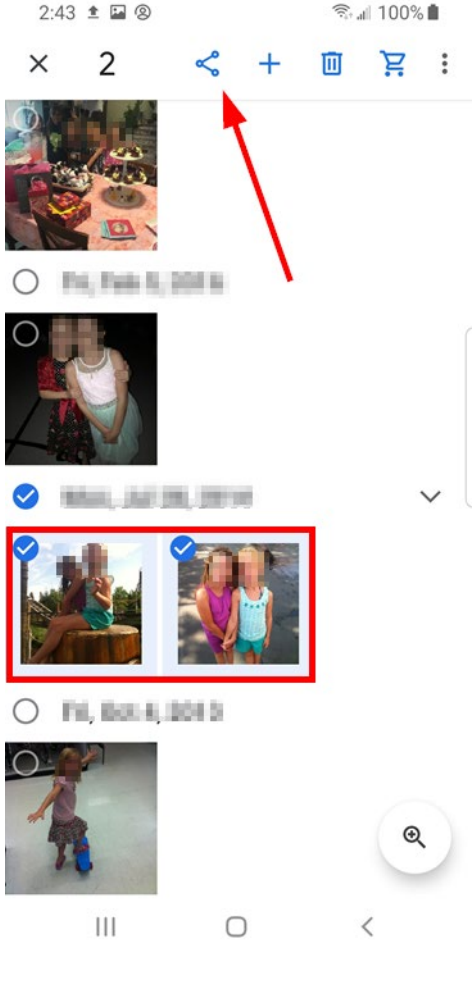
	
<p>after receiving the user input in connection with the sharing opportunity, at least portion of the another set of images is caused to be shared.</p>	<p>Samsung devices are configured such that, after receiving the user input in connection with the sharing opportunity, at least portion of the another set of images is caused to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.).</p>

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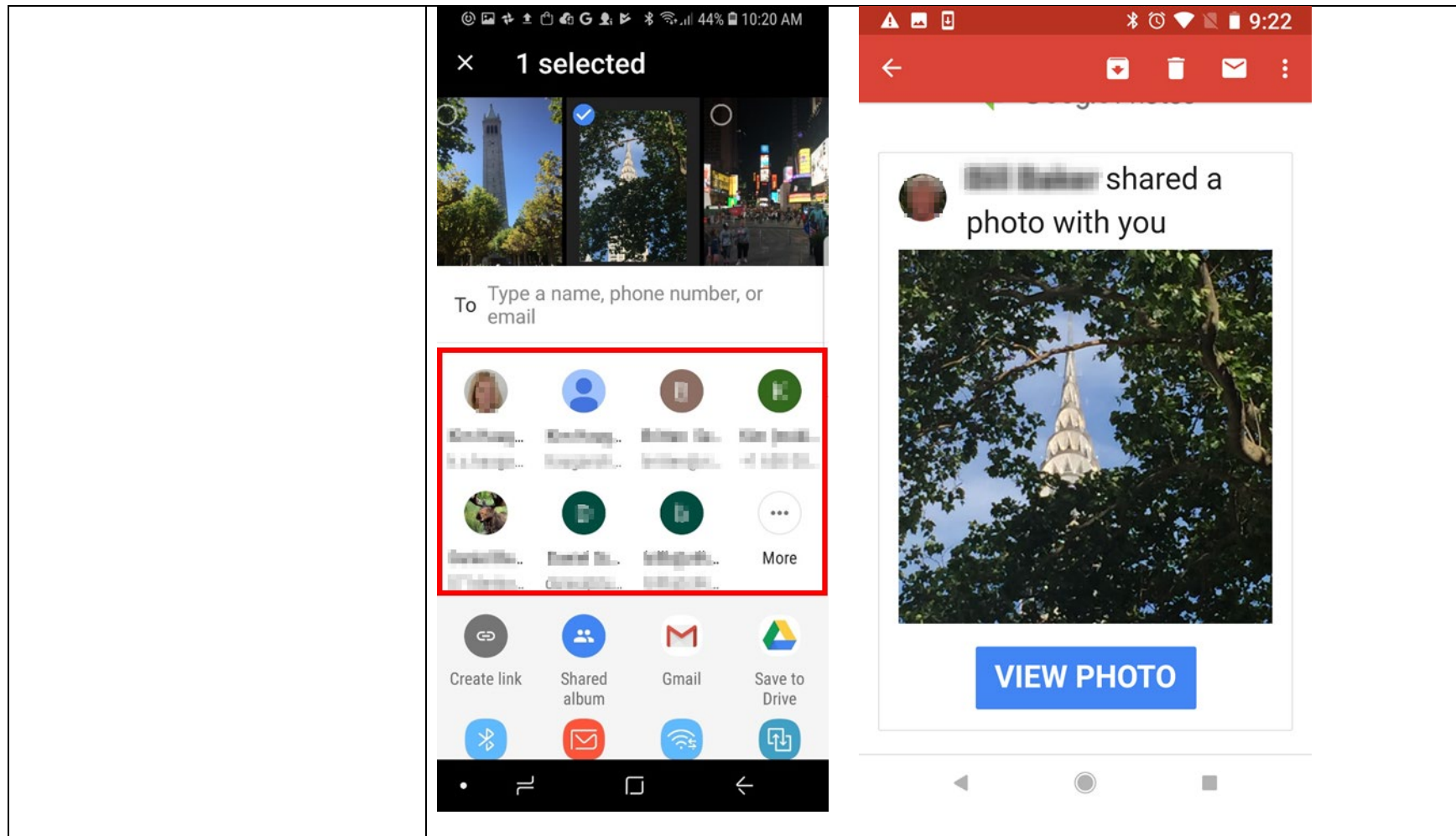
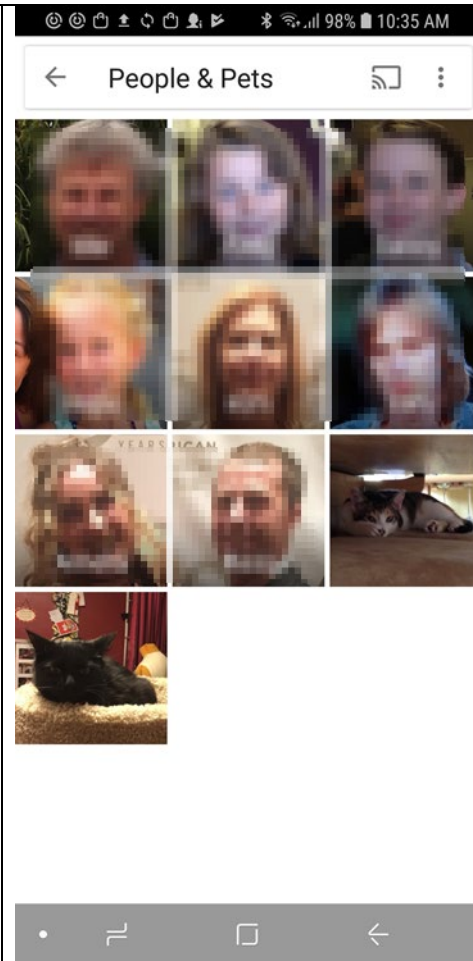


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Claim 27	Accused System (emphasis or labels added)
<p>A computer-implemented method, comprising:</p> <p>providing access to at least one server utilizing an apparatus including: a screen, an input device, at least one non-transitory memory storing instructions, and one or more processors in communication with the screen, the input device, and the at least one non-transitory memory; and</p> <p>communicating with the at least one server such that the apparatus is configured to:</p>	<p>Samsung sells a variety of smartphones and tablets (e.g., Samsung Galaxy S10, Galaxy Note, Galaxy Tab, etc.) having Google Photos installed (“Samsung Devices”). Each of Samsung devices includes a screen (i.e., the screen of the device, etc.), an input mechanism (i.e., the touchscreen circuitry enabling touch-based input with the screen, etc.), a hard drive or other non-transitory storage medium (e.g., the 128GB or 512GB hard drive for the Galaxy S10, etc.), and a processor (e.g., the “8 nm 64-bit Octa-Core Processor, 2.73 GHz (Maximum Clock Speed) + 2.31 GHz + 1.95 GHz” or “7 nm 64-bit Octa-Core Processor, 2.84 GHz (Maximum Clock Speed) + 2.41 GHz + 1.78 GHz”). The processor is in communication with the screen, the input mechanism, and the non-transitory medium, i.e., by executing the apps (e.g., Google Photos, etc.) and an operating system installed on Samsung devices.</p>
<p>display, utilizing the screen of the apparatus, a plurality of indicia each including at least a portion of an image including a face;</p>	<p>Samsung devices use a computer-implemented method to display, utilizing the screen of the apparatus, a plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) each including at least a portion of an image including a face;</p>

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“Search your photos

1. On your Android phone or tablet, open the Google Photos app 🌈.
2. Sign in to your Google Account.
3. In the box at the top, type what you want to find, for example:
 - New York City
 - For people or pets you’ve labeled: their name/label.

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	<p>Find photos of a person or pet & apply a label</p> <hr/> <p>Use <u>face groups to more easily search and manage your photos</u>. After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p> <p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none"> 1. On your Android phone or tablet, open the Google Photos app . 2. Sign in to your Google Account. 3. At the top, tap the search bar. <u>You'll see a box with faces.</u> 4. <u>Tap a face to see more photos of them.</u> To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none"> 1. At the top of a face group, tap "Who is this?" 2. Enter a name/label. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
<p>receive, utilizing the input device of the apparatus, a user input indicating a selection of at least one of the plurality of indicia including at least a portion of a first image including a first face;</p>	<p>Samsung devices use a computer-implemented method to receive, utilizing the input device of the apparatus, a user input (e.g., a user-instigated touch event, etc.) indicating a selection of one of the photos displayed on the device (i.e., a selection of at least one of the plurality of indicia including at least a portion of a first image including a first face, etc.). Samsung devices are configured to receive the user input utilizing the input mechanism of the device (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.):</p>

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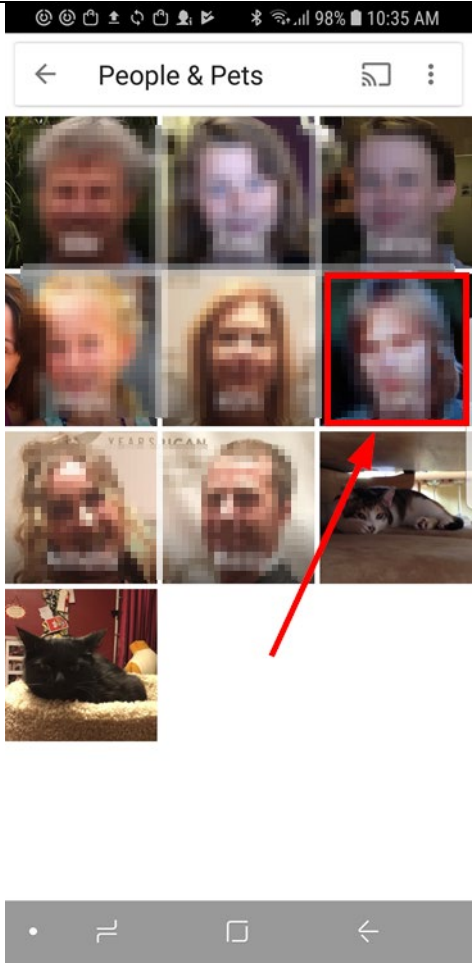
	
<p>after receiving the user input indicating the selection of the at least one of the plurality of indicia, display, utilizing the screen of the apparatus, a set of images including the first face that has been recognized in at least one of a</p>	<p>After receiving the user input indicating the selection of one of the images including a face (i.e., the at least one of the plurality of indicia, etc.), Samsung devices use a computer-implemented method to display a recognized face from the selected image. Samsung apparatus are further designed to display, using the screen of the apparatus, a set of images including the first face that has been recognized in at least one of a plurality of images accessible via the apparatus:</p>

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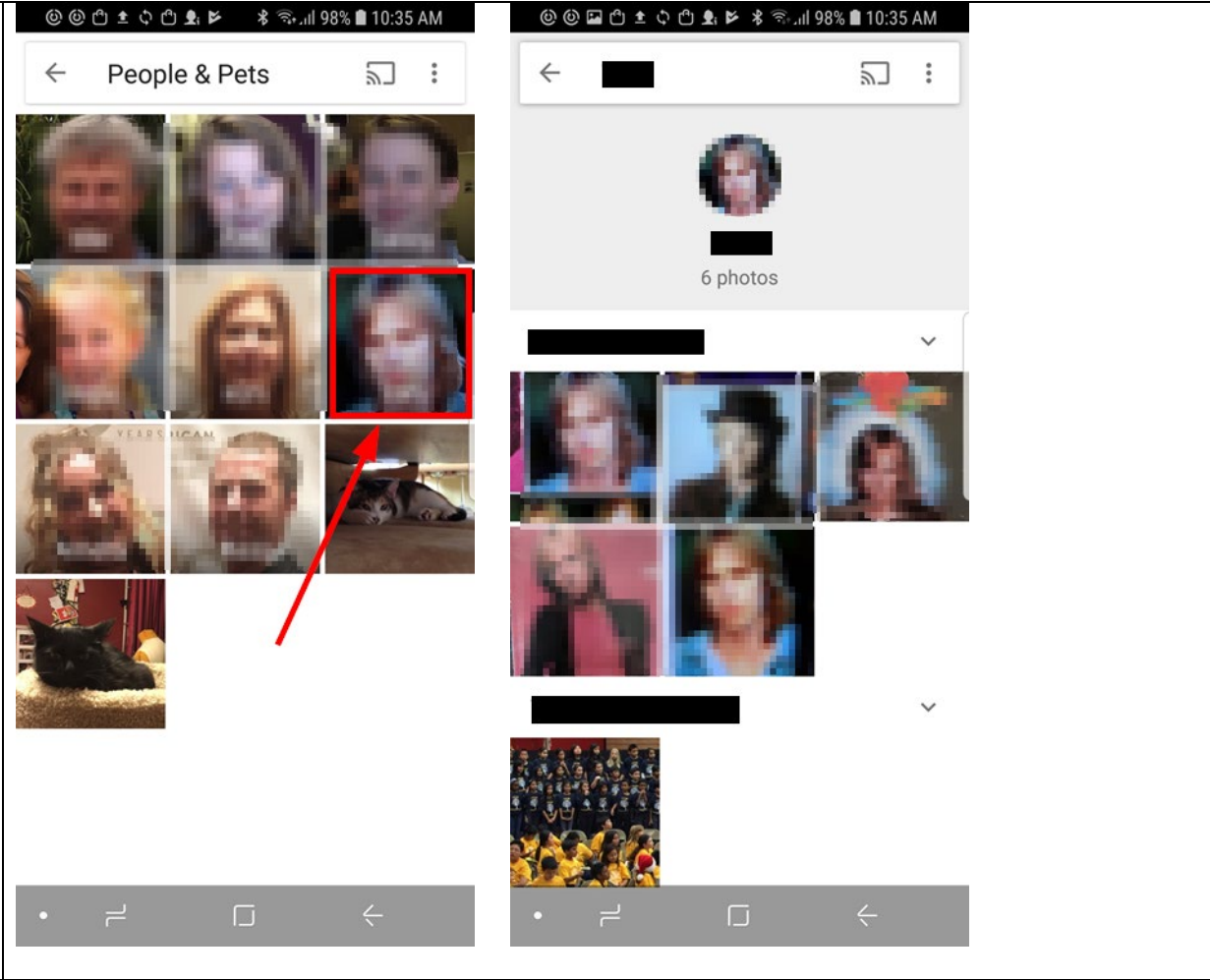
<p>plurality of images accessible via the apparatus;</p>	
<p>display, utilizing the screen of the apparatus, a plurality of suggested identifiers for the first face;</p>	<p>Samsung devices use a computer-implemented method to display, utilizing the screen of the device, a list of potential contact names (i.e. a plurality of suggested identifiers, etc.) to match with the face in the selected image (i.e., the first face, etc.):</p> <p><u>”Find photos of a person or pet & apply a label</u></p> <p><u>Use face groups to more easily search and manage your photos.</u> After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p>

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	<p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none">1. On your Android phone or tablet, open the Google Photos app .2. Sign in to your Google Account.3. At the top, tap the search bar. You'll see a box with faces.4. <u>Tap a face to see more photos of them</u>. To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none">1. At the top of a face group, tap <u>"Who is this?"</u>2. <u>Enter a name/label</u>. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
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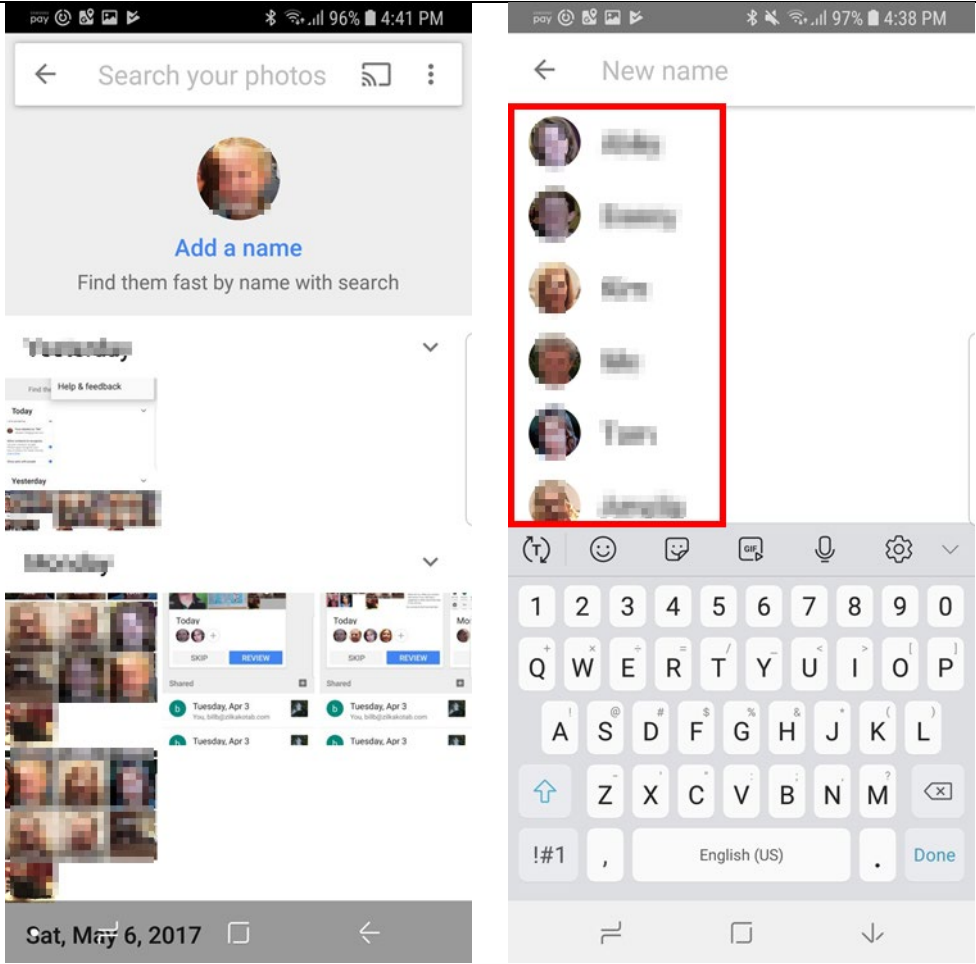
	 <p>Note: “Add a name” brings up a collection of suggested identifiers.</p>
<p>receive, utilizing the input device of the apparatus, a user input indicating at least one of the suggested identifiers or another identifier, resulting in at least one identifier being indicated;</p>	<p>Samsung devices use a computer-implemented method to receive, utilizing the input device of the apparatus (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) indicating at least one of the suggested identifiers (e.g., contact names/labels, etc.) or another identifier (e.g., a user-implemented text entry in a “New name” field, etc.), resulting in at least one identifier being indicated;</p>

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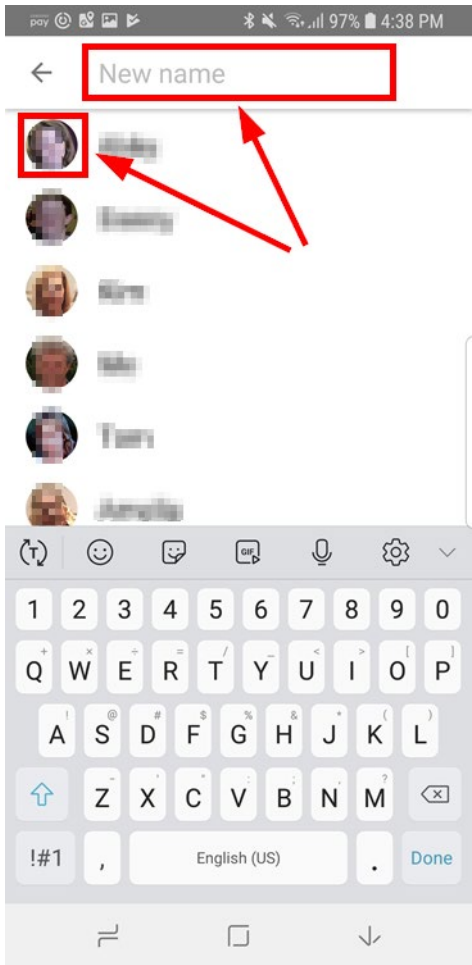
	
<p>after receiving the user input indicating the at least one of the suggested identifiers or the another identifier resulting in the at least one identifier being indicated, cause storage of a</p>	<p>On information and belief, Samsung devices use a computer-implemented method to, after receiving the user input (e.g., a user-instigated touch event, etc.), indicate the at least one of the suggested identifiers (e.g., contact names/labels, etc.) or the another identifier (e.g., a user-implemented text entry in the “New name” field, etc.) resulting in the at least one identifier being indicated , and cause storage of a correspondence between the at least one identifier (e.g. a contact identifier, etc.) and the first face (e.g., the portrait or personal photo, etc.). For example, Samsung devices show the photo</p>

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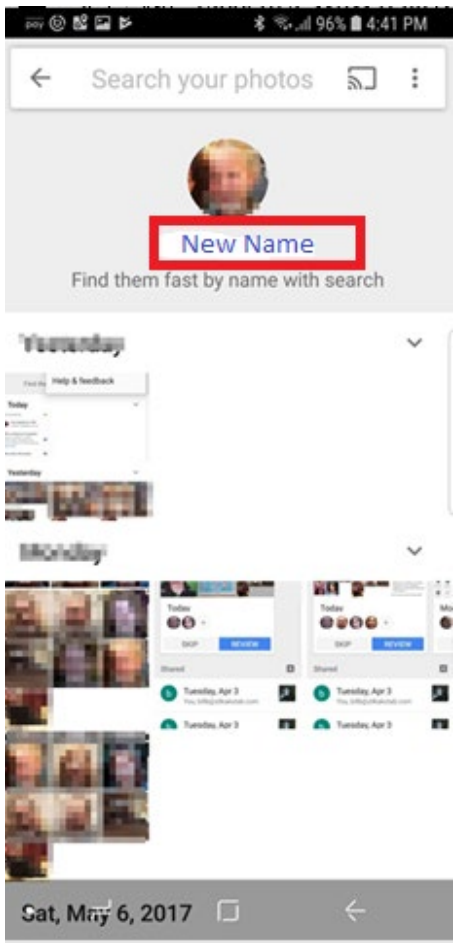
<p>correspondence between the at least one identifier and the first face;</p>	<p>associated with the name of a New Contact (e.g., “New Name,” etc.) following the contact name-associated process described above:</p> 
<p>display, utilizing the screen of the apparatus, the at least portion of the first image including the first face along with identifier indicia associated</p>	<p>Samsung devices use a computer-implemented method to display, utilizing the screen of the apparatus, the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) along with identifier indicia associated with the at least one identifier (e.g. a contact</p>

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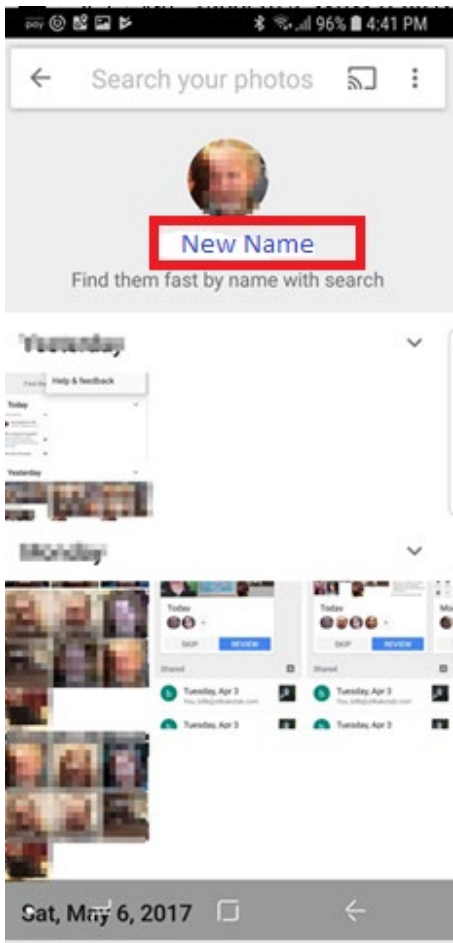
<p>with the at least one identifier, based on the correspondence;</p>	<p>identifier, etc.). On information and belief, the display of the image and the contact name is based on the correspondence of the image with the contact name.</p> 
<p>receive, utilizing the input device of the apparatus, a user input in connection with sharing at least a portion of the set of images including the first face;</p>	<p>Samsung devices use a computer-implemented method to receive, utilizing the input device of the apparatus (e.g., the touchscreen circuitry enabling touch-based input with the screen, etc.), a user input (e.g., a user-instigated touch event, etc.) in connection with sharing at least a portion of the set of images including the first face (e.g., the portrait or personal photo, etc.);</p>

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Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).

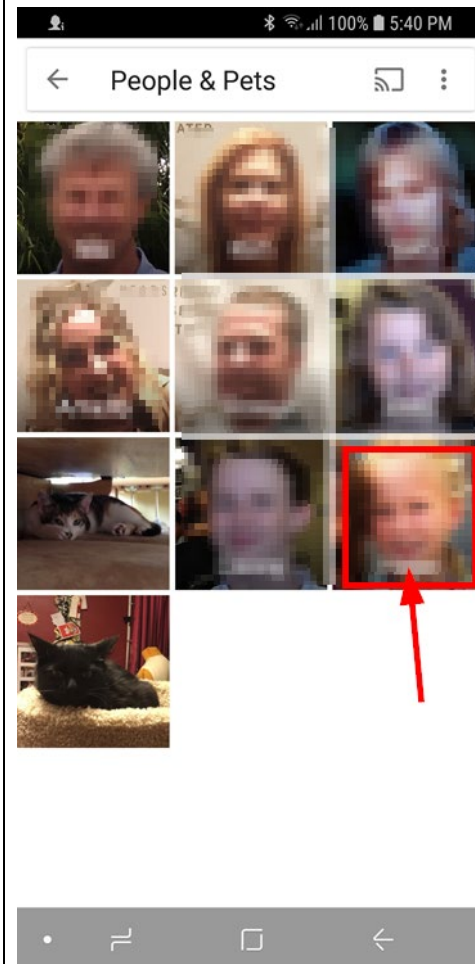


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<p>receive, utilizing the input device of the apparatus, an email address, a phone number, or a name of at least one other person; and</p>	<p>As described above, Samsung devices use a computer-implemented method to provide access to at least one option for sharing images (e.g., sharing the selected images or photo album, etc.).</p> <p>In connection with the option for sharing images, Samsung apparatus are configured to receive, utilizing the input device of the apparatus, contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices for sharing. Alternatively, Samsung devices are configured to receive, utilizing the touchscreen circuitry enabling touch-based input with the screen, a new name, phone number, or email of at least one other person for sharing.</p>
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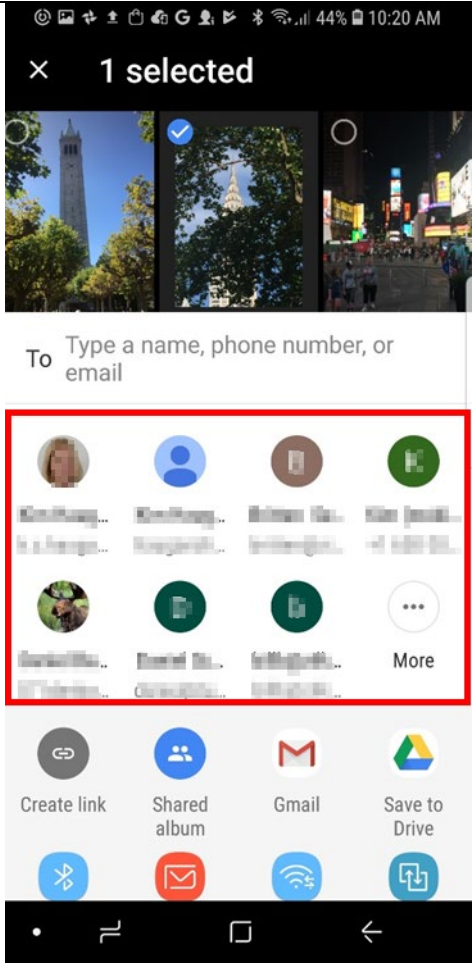
	 <p>The screenshot shows a mobile interface with a status bar at the top displaying icons for battery, signal, and time (10:20 AM). Below the status bar, a header indicates '1 selected' with a close button. Three photo thumbnails are visible, with the middle one selected. Below the photos is a 'To' field with the placeholder text 'Type a name, phone number, or email'. A red rectangular box highlights a grid of contact avatars and icons. Below this grid is a row of sharing options: 'Create link', 'Shared album', 'Gmail', and 'Save to Drive'. At the bottom, there are icons for Bluetooth, Email, Wi-Fi, and a share icon. The bottom of the screen shows the standard Android navigation bar.</p>
<p>based on the user input in connection with sharing the at least portion of the set of images including the first face, and utilizing the email address, the phone number, or the name of the at least one other person: cause the</p>	<p>Samsung devices use a computer-implemented method to, based on the user input (e.g., a user-instigated touch event, etc.) in connection with sharing the at least portion of the set of images including the first face, and utilizing the email address, the phone number, or the name of the at least one other person: cause the sharing (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) of the at least portion of the set of images including the first face (e.g., the portrait or personal photo, etc.).</p>

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sharing of the at least portion of the set of images including the first face.

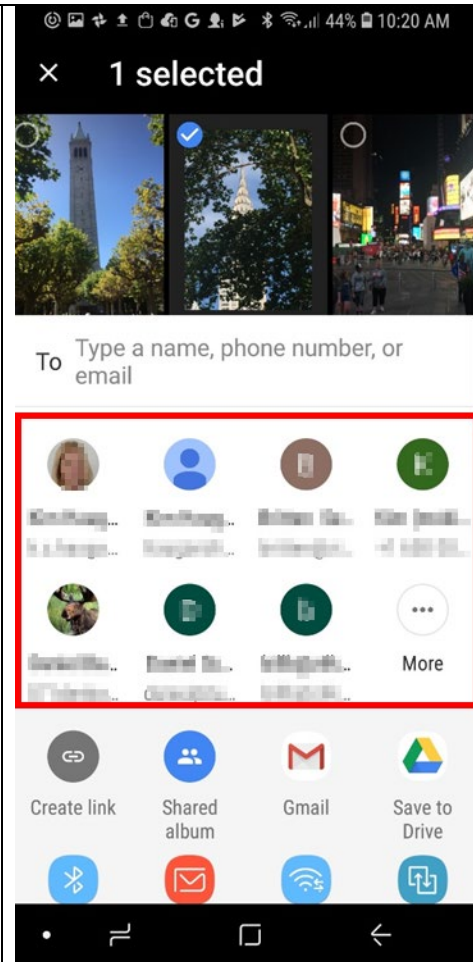


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Claim 28	Accused System (emphasis or labels added)
<p>The computer-implemented method as set forth in claim 27, wherein a plurality of features for sharing images is provided including:</p> <p>a first feature for sharing images that, when utilized, operates such that:</p> <p>the email address, the phone number, or the name of the at least one other person is received;</p>	<p>Samsung devices infringe Claim 27 and use a computer-implemented method including a first feature for sharing images that, when utilized, operates such that: a user receives contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices. The Accused Samsung Devices therefore infringe these elements of Claim 28 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> 

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<p>after the receipt of the email address, the phone number, or the name of the at least one other person is received: the plurality of indicia is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;</p>	<p>After the receipt of the email address, the phone number, or the name of the at least one other person is received, Samsung devices use a computer-implemented method such that the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.).</p> <p>Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).</p>
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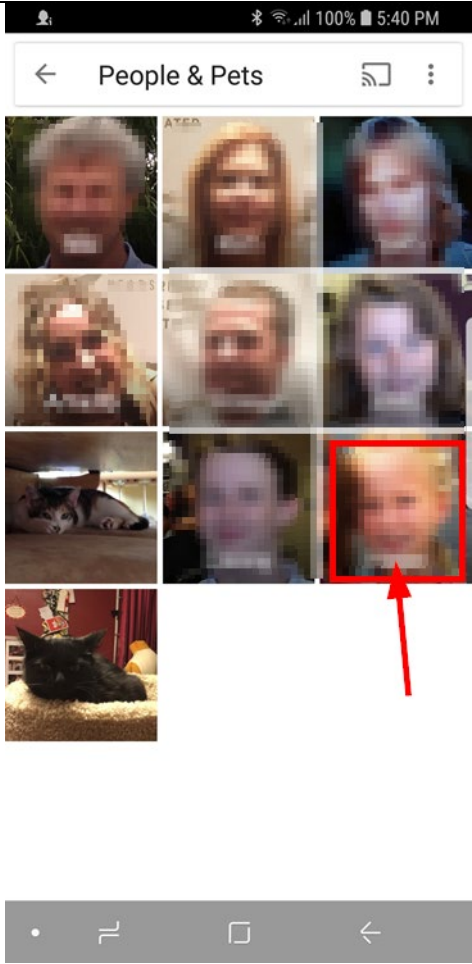
	 <p>The screenshot shows a mobile application interface with a status bar at the top displaying signal strength, Wi-Fi, 100% battery, and the time 5:40 PM. The app's title bar is 'People & Pets' with a back arrow on the left and a share icon on the right. The main content area displays a grid of images: the first three rows contain portraits of people, and the last row contains two pet photos (a cat and a dog). A red rectangular box highlights a portrait of a person in the third row, second column, with a red arrow pointing upwards to it from the bottom of the screen. The bottom of the screen shows a navigation bar with four icons: a dot, a home icon, a square, and a back arrow.</p>
<p>the user input in connection with sharing the at least portion of the set of images including the first face is received and indicates a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the</p>	<p>Samsung devices use a computer-implemented method including the user input (e.g., a user-instigated touch event, etc.) in connection with sharing the at least portion of the set of images including the first face is received and indicates a selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face (e.g., the portrait or personal photo, etc.) with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.); and</p>

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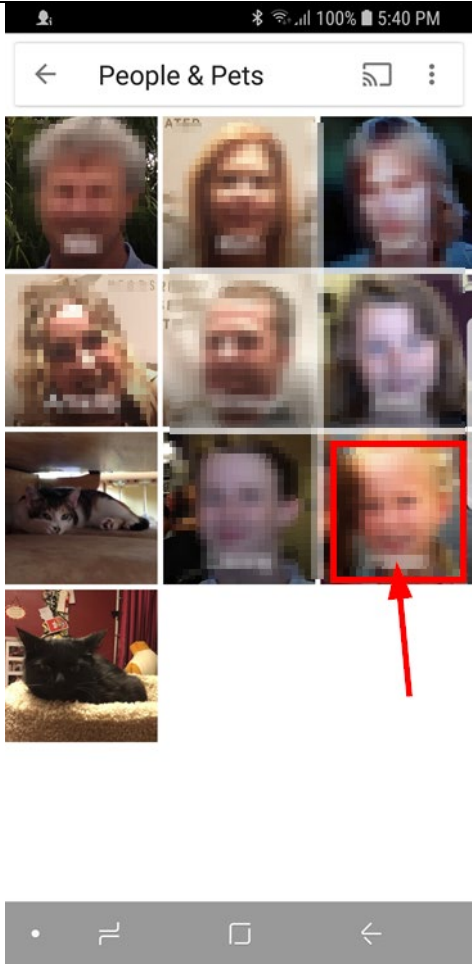
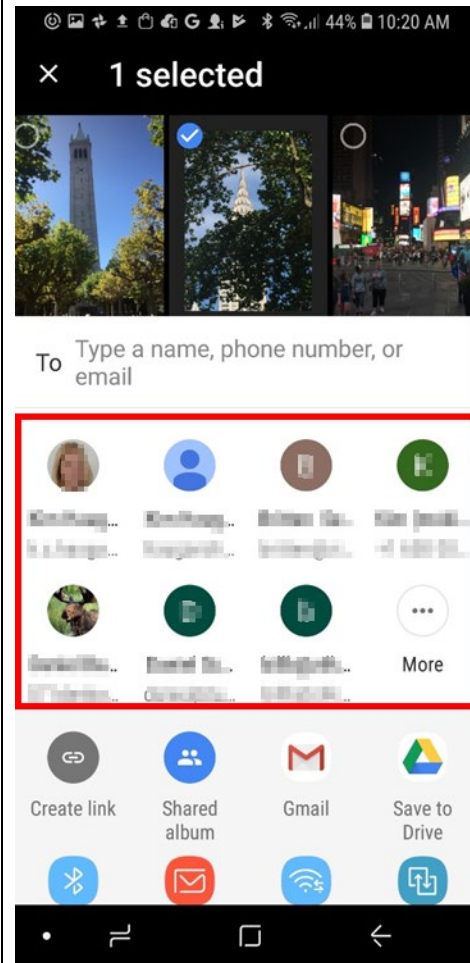
<p>identifier indicia associated with the at least one identifier; and</p>	
<p>based on the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, and utilizing the</p>	<p>Samsung devices use a computer-implemented method including, based on the user input (e.g., a user-instigated touch event, etc.) indicating the selection of the at least one of the “People & Pets” from the interface, and utilizing the email address, the phone number, or the name of the at least one other person: the at least portion of the set of images including the first face is caused to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) by causing an invitation to be sent to the email address of the at least one other person, for permitting an acceptance of the invitation whereupon access is provided to the at least</p>

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email address, the phone number, or the name of the at least one other person: the at least portion of the set of images including the first face is caused to be shared by causing an invitation to be sent to the email address of the at least one other person, for permitting an acceptance of the invitation whereupon access is provided to the at least portion of the set of images via at least one link to a service that stores the at least portion of the set of images; and

portion of the set of images via at least one link to a service that stores the at least portion of the set of images; and



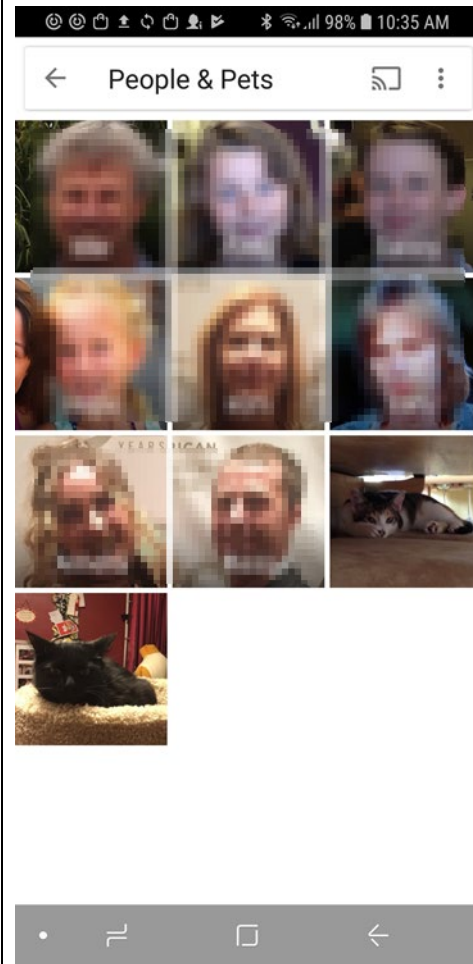
a second feature for sharing images that, when utilized, operates such that:

Samsung devices use a computer-implemented method including a second feature for sharing images that, when utilized, operates such that: the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed including the at least one of the plurality of indicia including the at least

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the plurality of indicia is displayed including the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;

portion of the first image including the first face with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.);



“Search your photos

1. On your Android phone or tablet, open the Google Photos app 🌈.
2. Sign in to your Google Account.

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	<p>3. In the box at the top, type what you want to find, for example:</p> <ul style="list-style-type: none"> • New York City • For people or pets you've labeled: their name/label. <p>Find photos of a person or pet & apply a label</p> <hr/> <p>Use face groups to more easily search and manage your photos. After you apply a label, you can search for them using that label. Note that this feature is not available in all countries.</p> <p>STEP 1: Find photos of a person or pet</p> <hr/> <ol style="list-style-type: none"> 1. On your Android phone or tablet, open the Google Photos app . 2. Sign in to your Google Account. 3. At the top, tap the search bar. <u>You'll see a box with faces.</u> 4. <u>Tap a face to see more photos of them.</u> To see more faces, tap the arrow. <p>(If you don't see this box, that means this feature is not available in your country, you turned it off in settings, or you don't have any groups.)</p> <p>STEP 2: Apply a label</p> <hr/> <ol style="list-style-type: none"> 1. At the top of a face group, tap "Who is this?" 2. Enter a name/label. Now you'll be able to search with that label using the search box. Only you will see the private face labels you choose, even if you share those photos." <p>https://support.google.com/photos/answer/6128838?co=GENIE.Platform%3DDesktop&hl=en (emphasis added)</p>
<p>a user input is received indicating a selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier;</p>	<p>Samsung devices use a computer-implemented method including a user input (e.g., a user-instigated touch event, etc.) is received indicating a selection of the at least one of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier (e.g. a contact identifier, etc.).</p>

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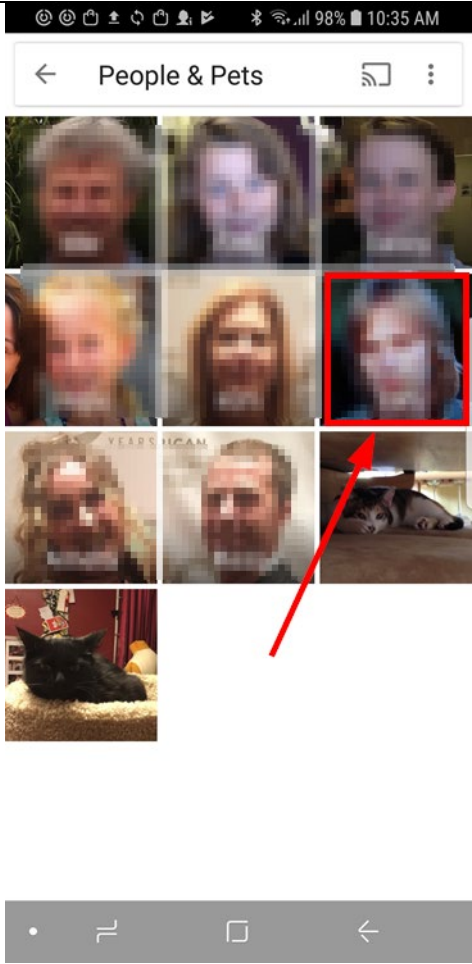
	
<p>after receiving the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face with the identifier indicia associated with the at least one identifier, the set of images is</p>	<p>After receiving the user input indicating the selection of the at least one of the plurality of indicia including the at least portion of the first image including the first face (i.e., the at least one of the plurality of indicia, etc.) with the identifier indicia associated with the at least one identifier, Samsung devices use a computer-implemented method whereby the set of images is displayed including the first face that has been recognized in at least one of the plurality of images accessible via the apparatus;</p>

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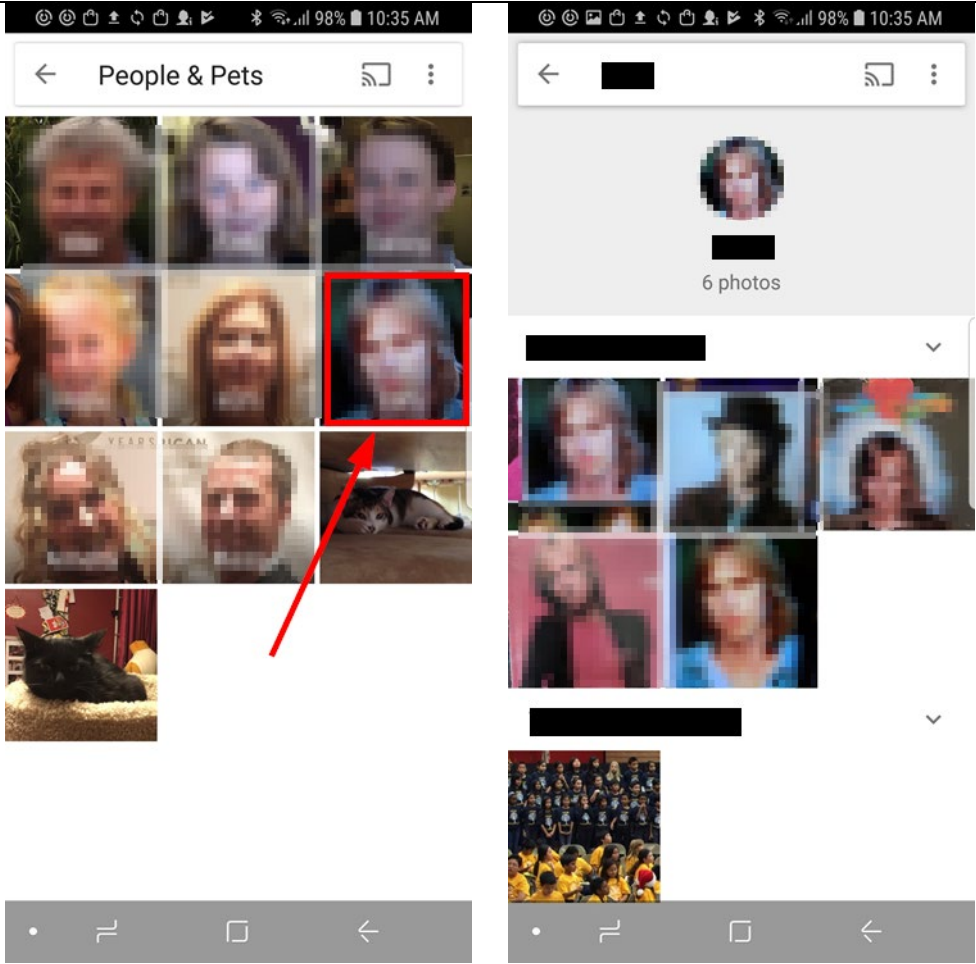
<p>displayed including the first face that has been recognized in at least one of the plurality of images accessible via the apparatus;</p>	
<p>the user input in connection with sharing the at least portion of the set of images including the first face is received for individual selection of the at least portion of the set of images;</p>	<p>Samsung devices use a computer-implemented method including the user input (e.g., a user-instigated touch event, etc.) in connection with sharing the at least portion of the set of images (e.g., the faces of the “People & Pets” interface, etc.) including the first face (e.g., the portrait or personal photo, etc.) is received for individual selection of the at least portion of the set of images ;</p> <p>Note: The images below have been edited to remove personally-identifying information from the photos for privacy reasons. Plaintiff represents that the blurred white portion of the highlighted image</p>

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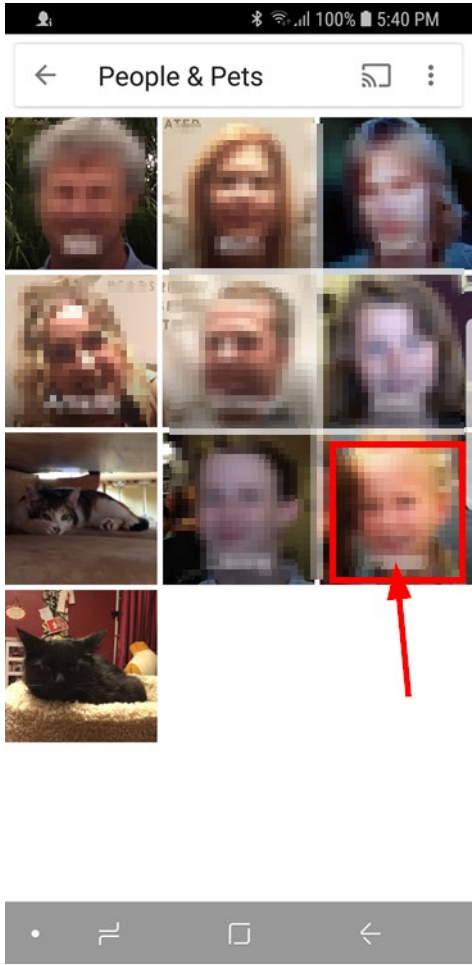
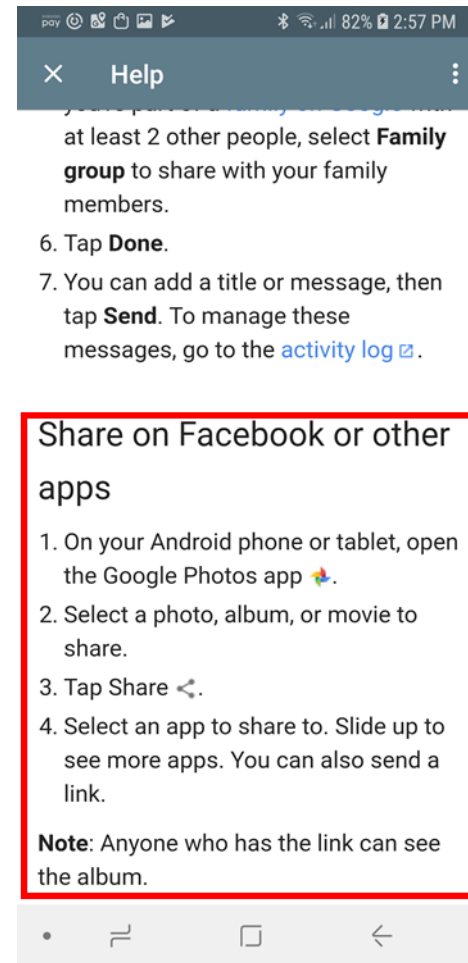
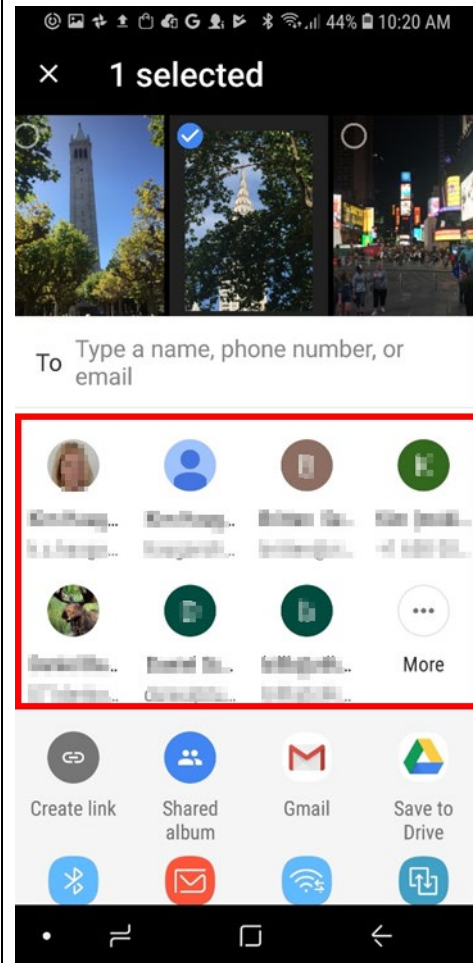
	<p>is a Contact Name associated with the image (i.e., “identifier indicia associated with the at least one identifier”).</p> 
<p>after receiving the user input for the individual selection of the at least portion of the set of images: a plurality of communication options is displayed</p>	<p>After receiving the user input for the individual selection of the at least portion of the set of images, Samsung devices use a computer-implemented method wherein a plurality of communication options is displayed (e.g., sharing the selected images or photo album, etc.) including at least two of an email</p>

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including at least two of an email communication option, an instant message communication option, and a social network communication option;

communication option, an instant message communication option, and a social network communication option;



after displaying the plurality of communication options including at least two of the email communication option, the instant message

After displaying the plurality of communication options including at least two of the email communication option, the instant message communication option, and the social network communication option, Samsung devices use a computer-implemented method wherein a user input (e.g., a user-instigated touch event, etc.) is received indicating a selection of at least one of the email

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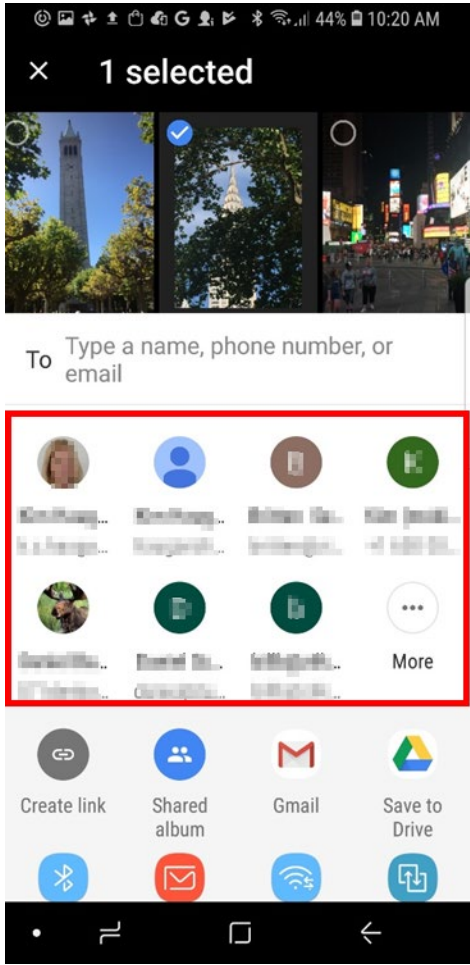
<p>communication option, and the social network communication option: a user input is received indicating a selection of at least one of the email communication option, the instant message communication option, or the social network communication option;</p>	<p>communication option, the instant message communication option, or the social network communication option;</p> 
<p>the email address, the phone number, or the name of the at least one other person is received, where the apparatus is configured such that any one of both</p>	<p>As described above, Samsung devices use a computer-implemented method to provide access to at least one option for sharing images (e.g., sharing the selected image or photo album, etc.).</p>

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<p>the email address or the name of the at least one other person is capable of being received; and</p>	<p>Samsung devices use a computer-implemented method wherein contact information (e.g., an email address, a phone number, or a name of at least one other person, etc.) from the address book of Samsung devices is received, where the apparatus is configured such that any one of both the email address or the name of the at least one other person is capable of being received; and</p> 
<p>after receiving the email address, the phone number, or the name of the at</p>	<p>After receiving the email address, the phone number, or the name of the at least one other person and based on the user input indicating the selection of at least one of the email communication option, the</p>

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least one other person and based on the user input indicating the selection of at least one of the email communication option, the instant message communication option, or the social network communication option: the at least portion of the set of images is caused to be shared via at least one of the email communication option, the instant message communication option, or the social network communication option.

instant message communication option, or the social network communication option, Samsung devices use a computer-implemented method wherein the at least portion of the set of images is caused to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.) via at least one of the email communication option, the instant message communication option, or the social network communication option.

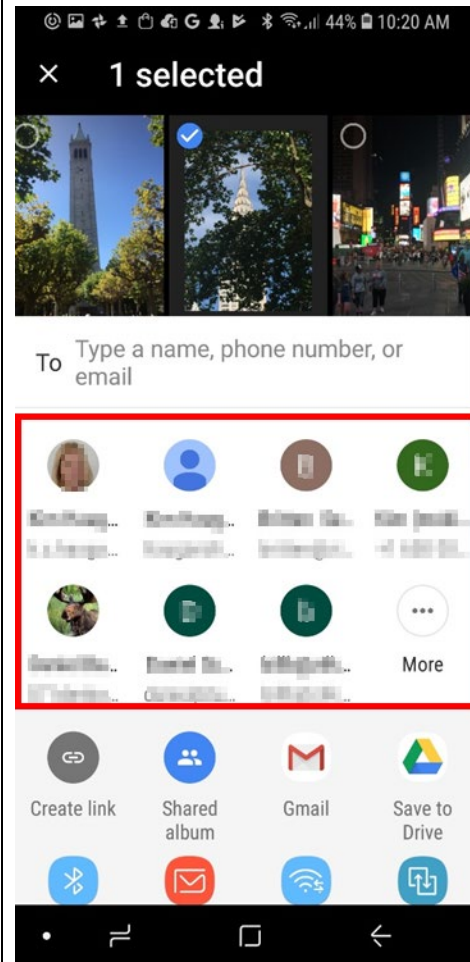


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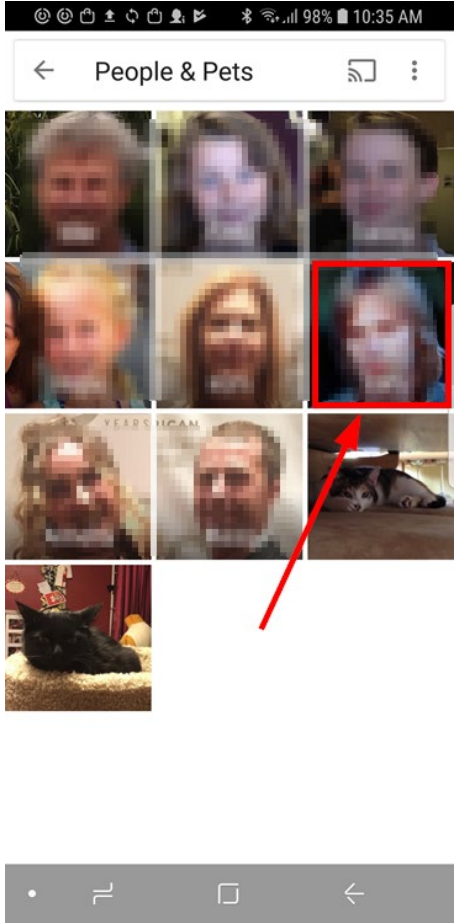
Claim 29	Accused System (emphasis or labels added)
<p>The computer-implemented method as set forth in claim 28, wherein the plurality of features for sharing images include a third feature that, when utilized, operates such that:</p> <p>another set of images is displayed as a sharing opportunity;</p>	<p>Samsung devices infringe Claim 28 and use a computer-implemented method wherein the plurality of features for sharing images include a third feature that, when utilized, operates such that: another set of images is displayed as a sharing opportunity. The Accused Samsung Devices therefore infringe these elements of Claim 29 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> 

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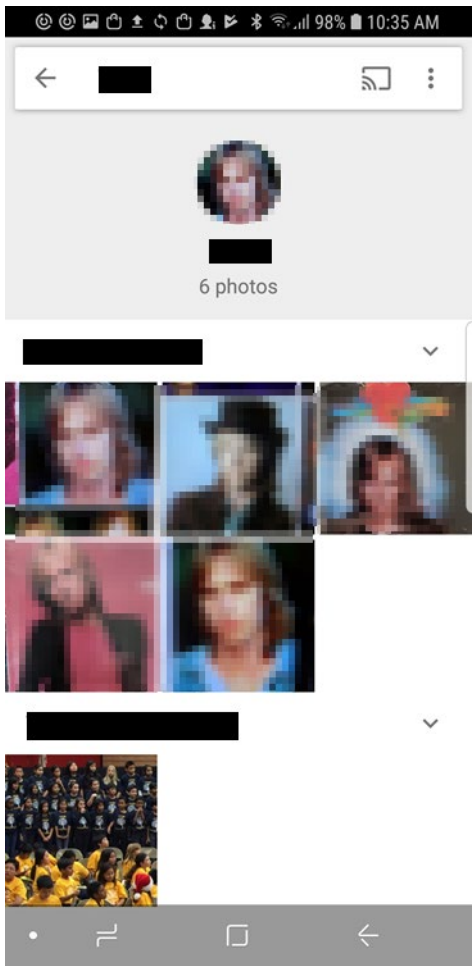
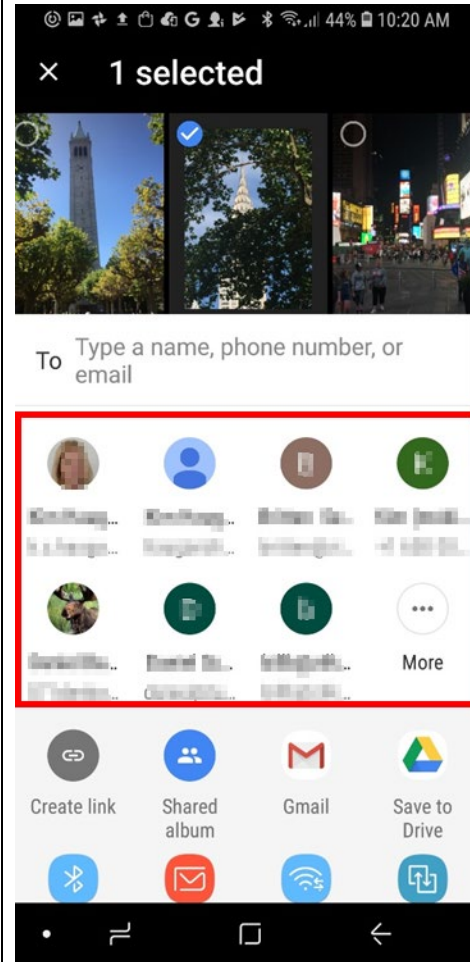
<p>one or more of the plurality of indicia is displayed corresponding to one or more faces recognized in one or more of the another set of images;</p>	<p>Samsung devices use a computer-implemented method including one or more of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed corresponding to one or more faces recognized in one or more of the another set of images.</p> 
<p>a user input is received in connection with the sharing opportunity; and</p>	<p>Samsung devices use a computer-implemented method including a user input (e.g., a user-instigated touch event, etc.) is received in connection with the sharing opportunity; and after receiving the user input in connection with the sharing opportunity, at least portion of the another set of images is</p>

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after receiving the user input in connection with the sharing opportunity, at least portion of the another set of images is caused to be shared;

caused to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.).



wherein the first feature for sharing images permits the at least portion of the set of images to be shared by a user of the apparatus, without allowing

Samsung devices use a computer-implemented method wherein the first feature for sharing images permits the at least portion of the set of images to be shared by a user of the apparatus, without allowing individual selection of the at least portion of the set of images by the user of the apparatus (e.g., all images fitting the album criteria are automatically shared, etc.), and further without

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individual selection of the at least portion of the set of images by the user of the apparatus, and further without permitting the at least portion of the set of images to be sent as one or more attachments;

permitting the at least portion of the set of images to be sent as one or more attachments (e.g., the recipient is provided a link or invitation to view the album contents, etc.).

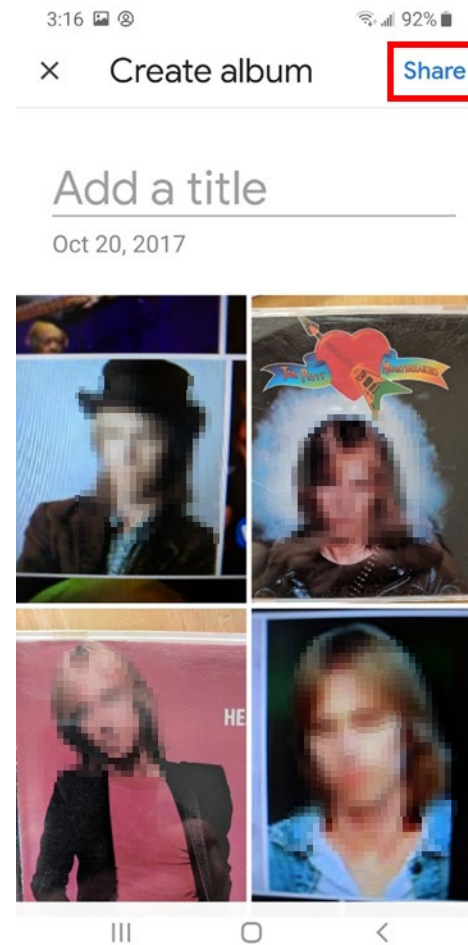
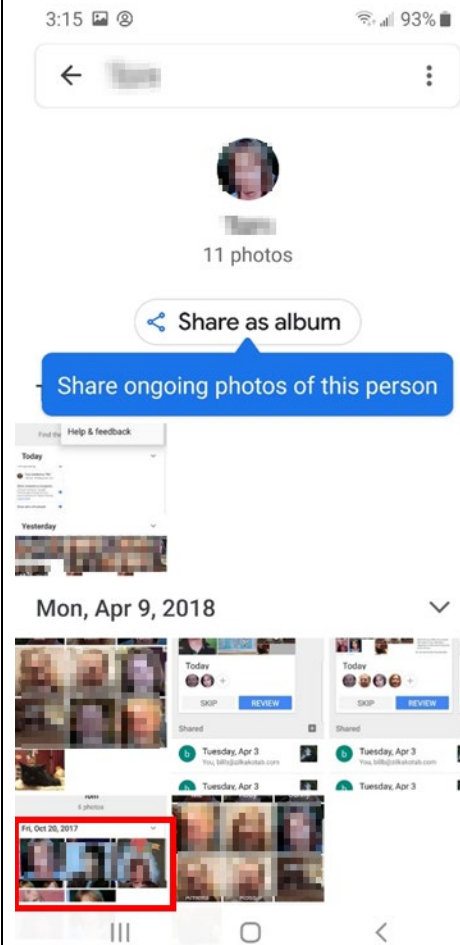


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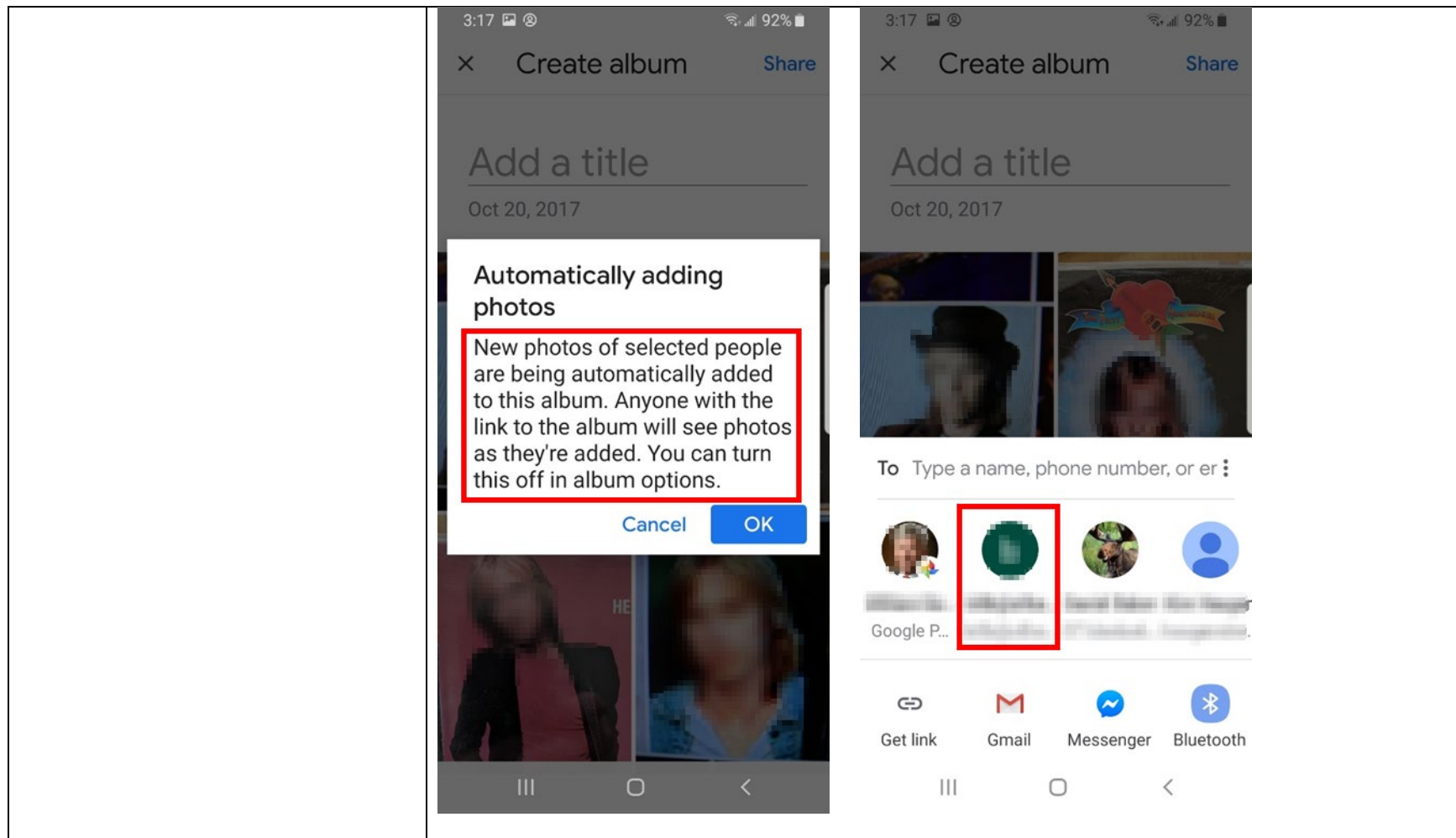


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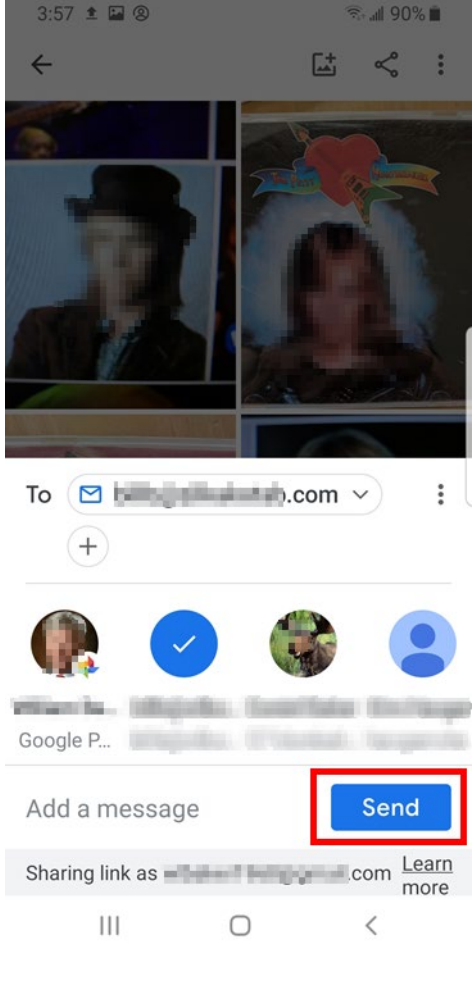
	 <p>The screenshot shows a mobile messaging application interface. At the top, there is a status bar with the time 3:57, signal strength, and 90% battery. Below the status bar is a navigation bar with a back arrow, a plus icon, a share icon, and a menu icon. The main content area displays a grid of images, including a person in a hat and a person with a heart graphic. Below the images is a 'To' field with an email address and a plus icon. Underneath is a list of contacts with profile pictures and names. At the bottom, there is a text input field labeled 'Add a message' and a blue 'Send' button, which is highlighted with a red rectangular box. Below the 'Send' button is a sharing link and a 'Learn more' link. The bottom of the screen shows a navigation bar with three icons: a list, a home button, and a back arrow.</p>	
<p>wherein the individual selection of the at least portion of the set of images of the second feature for sharing images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at</p>	<p>Samsung devices use a computer-implemented method wherein the individual selection of the at least portion of the set of images of the second feature for sharing images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at least one of the email communication option, the instant message communication option, or the social network communication option.</p>	

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least one of the email communication option, the instant message communication option, or the social network communication option.

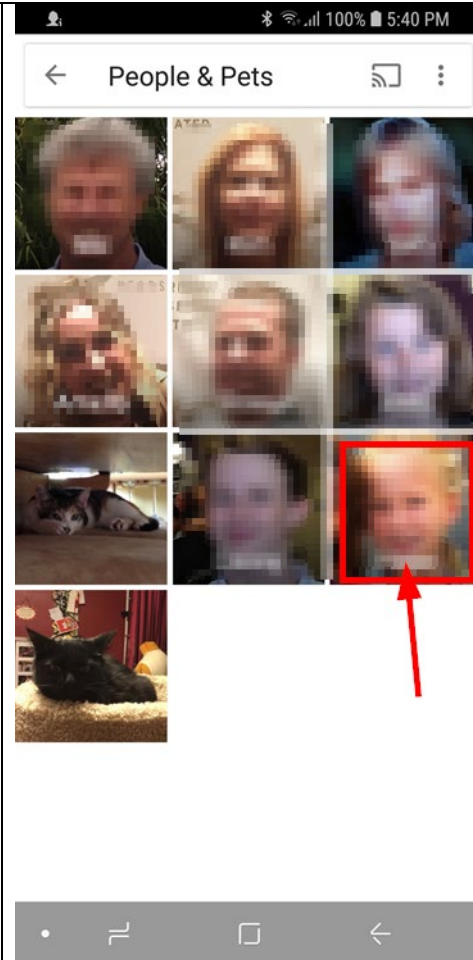


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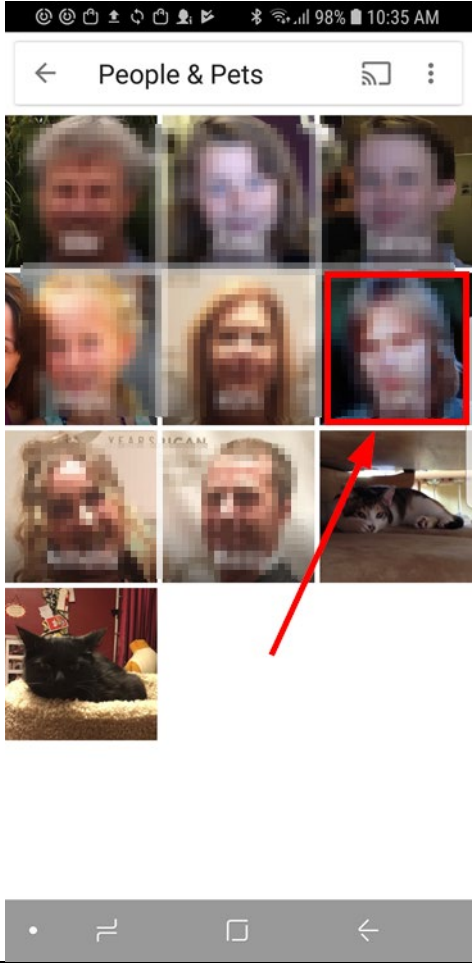
Claim 30	Accused System (emphasis or labels added)
<p>The computer-implemented method as set forth in claim 28, wherein the plurality of features for sharing images include a third feature that, when utilized, operates such that:</p> <p>another set of images is displayed as a sharing opportunity;</p>	<p>Samsung devices infringe Claim 28 and use a computer-implemented method including wherein the plurality of features for sharing images include a third feature that, when utilized, operates such that: another set of images is displayed as a sharing opportunity. The Accused Samsung Devices therefore infringe these elements of Claim 30 of U.S. Patent 10,019,136 literally or, in the alternative, under the doctrine of equivalents.</p> 

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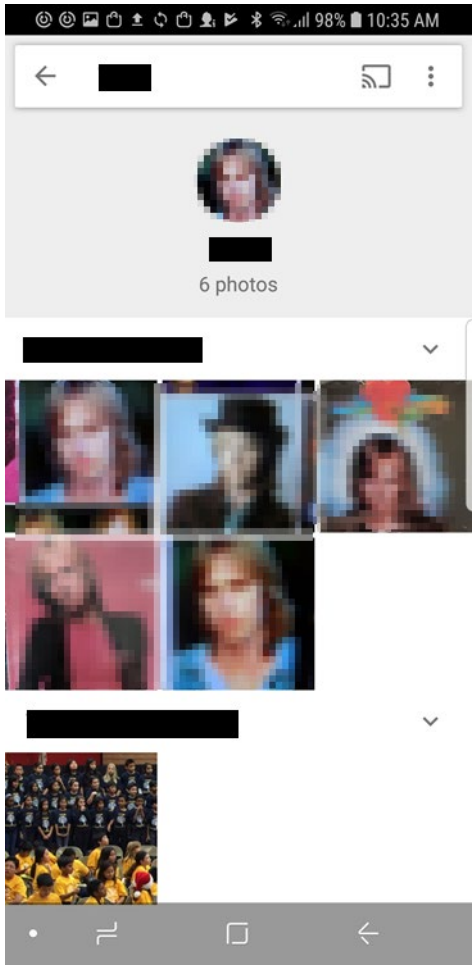
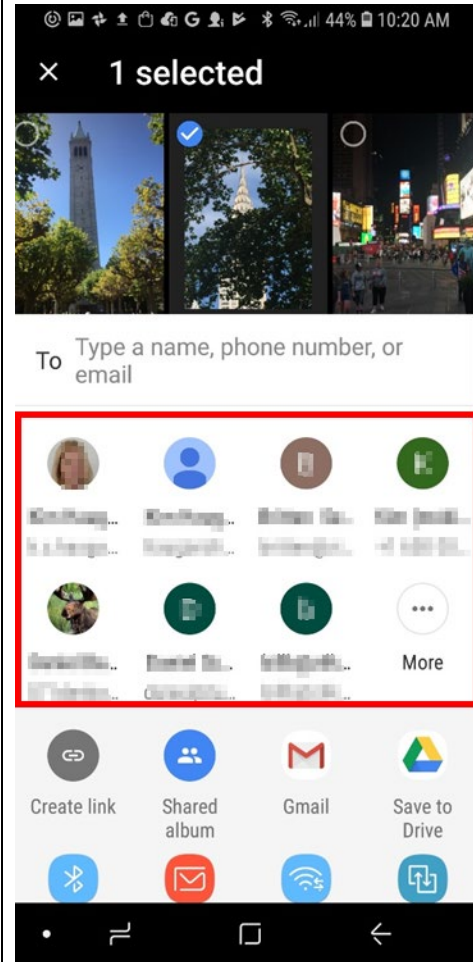
<p>one or more of the plurality of indicia is displayed corresponding to one or more faces recognized in one or more of the another set of images;</p>	<p>Samsung devices use a computer-implemented method including one or more of the plurality of indicia (e.g., one or more pictures of a person and/or pet, etc.) is displayed corresponding to one or more faces recognized in one or more of the another set of images.</p> 
<p>a user input is received in connection with the sharing opportunity; and</p>	<p>Samsung devices use a computer-implemented method including a user input is received in connection with the sharing opportunity; and after receiving the user input in connection with the</p>

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after receiving the user input in connection with the sharing opportunity, at least portion of the another set of images is caused to be shared;

sharing opportunity, at least portion of the another set of images is caused to be shared (e.g., via the “Send” button after specifying all of the recipients from the collection of available contact indicia, etc.).



wherein the first feature for sharing images the at least portion of the set of images to be shared by a user of the

Samsung devices use a computer-implemented method wherein the first feature for sharing images the at least portion of the set of images to be shared by a user of the apparatus in a face-dependent manner that is independent of a time when and a place where the at least portion of the set of images

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apparatus in a face-dependent manner that is independent of a time when and a place where the at least portion of the set of images were taken, without allowing individual selection of the at least portion of the set of images by the user of the apparatus, and further without permitting the at least portion of the set of images to be sent to the email address of the at least one other person as one or more attachments;

were taken, without allowing individual selection of the at least portion of the set of images by the user of the apparatus (e.g., all images fitting the album criteria are automatically shared, etc.), and further without permitting the at least portion of the set of images to be sent to the email address of the at least one other person as one or more attachments (e.g., the recipient is provided a link or invitation to view the album contents, etc.).

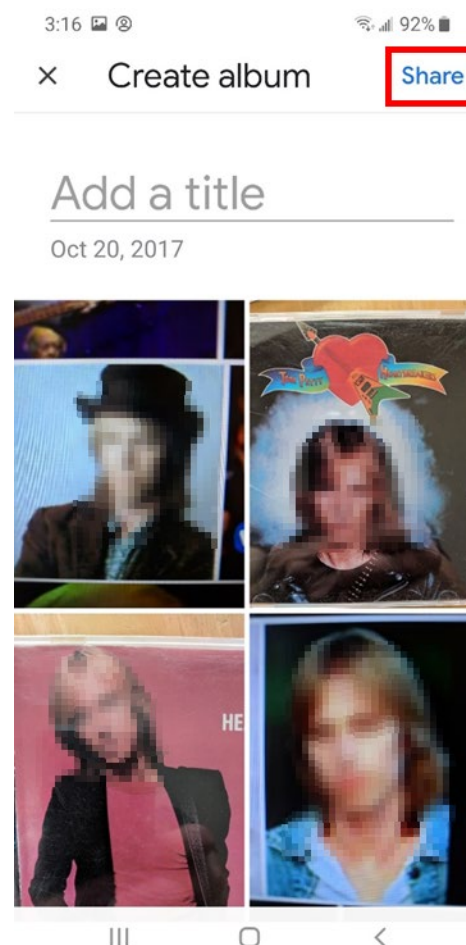
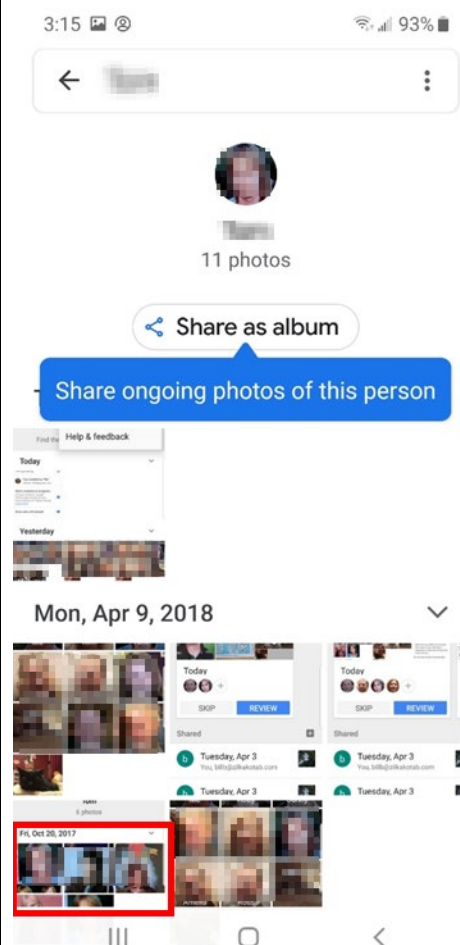


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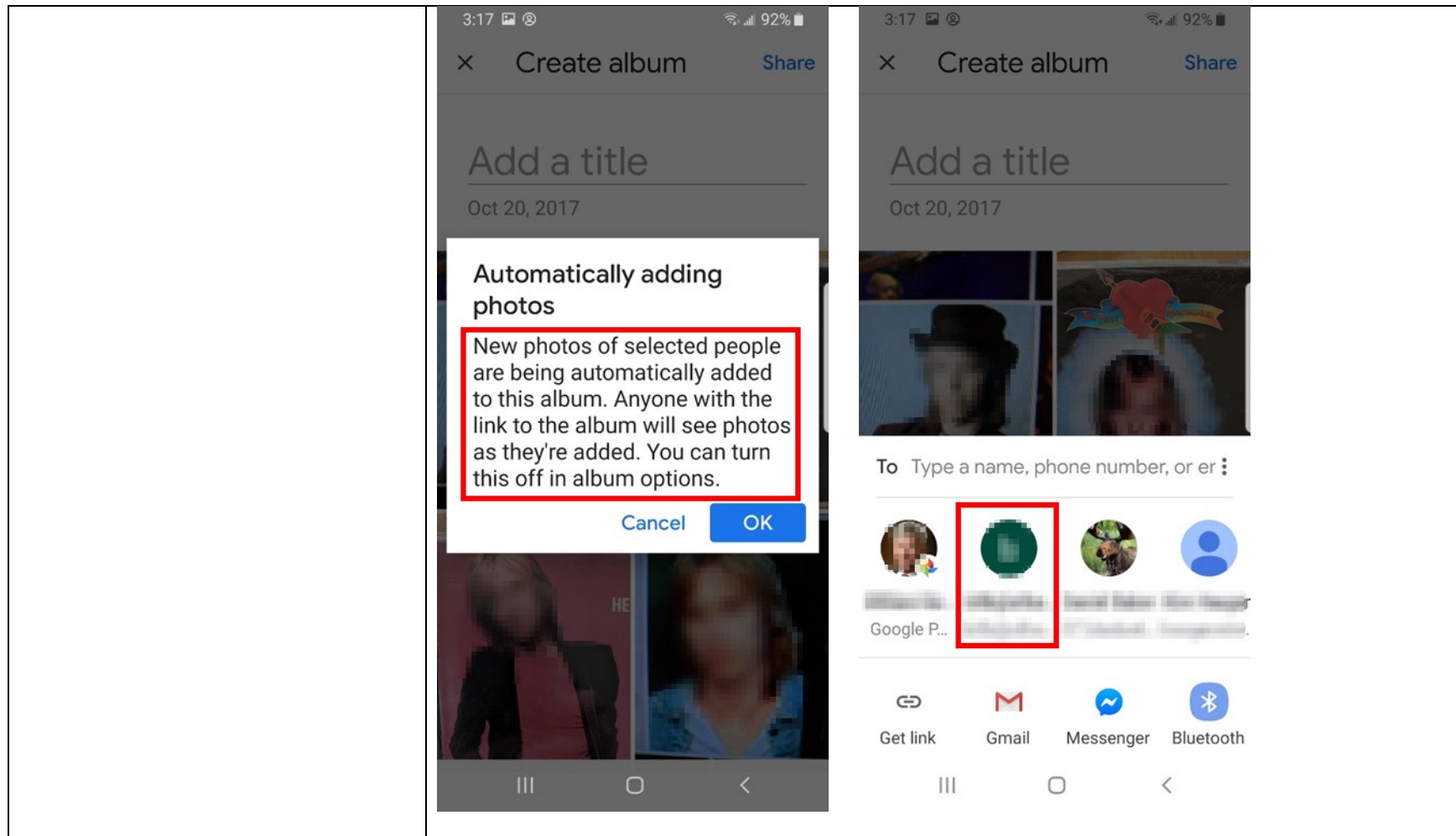


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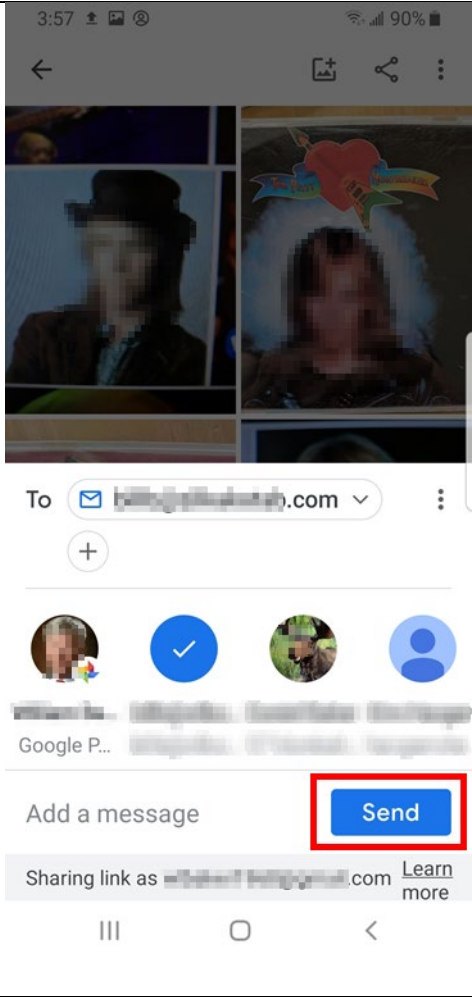
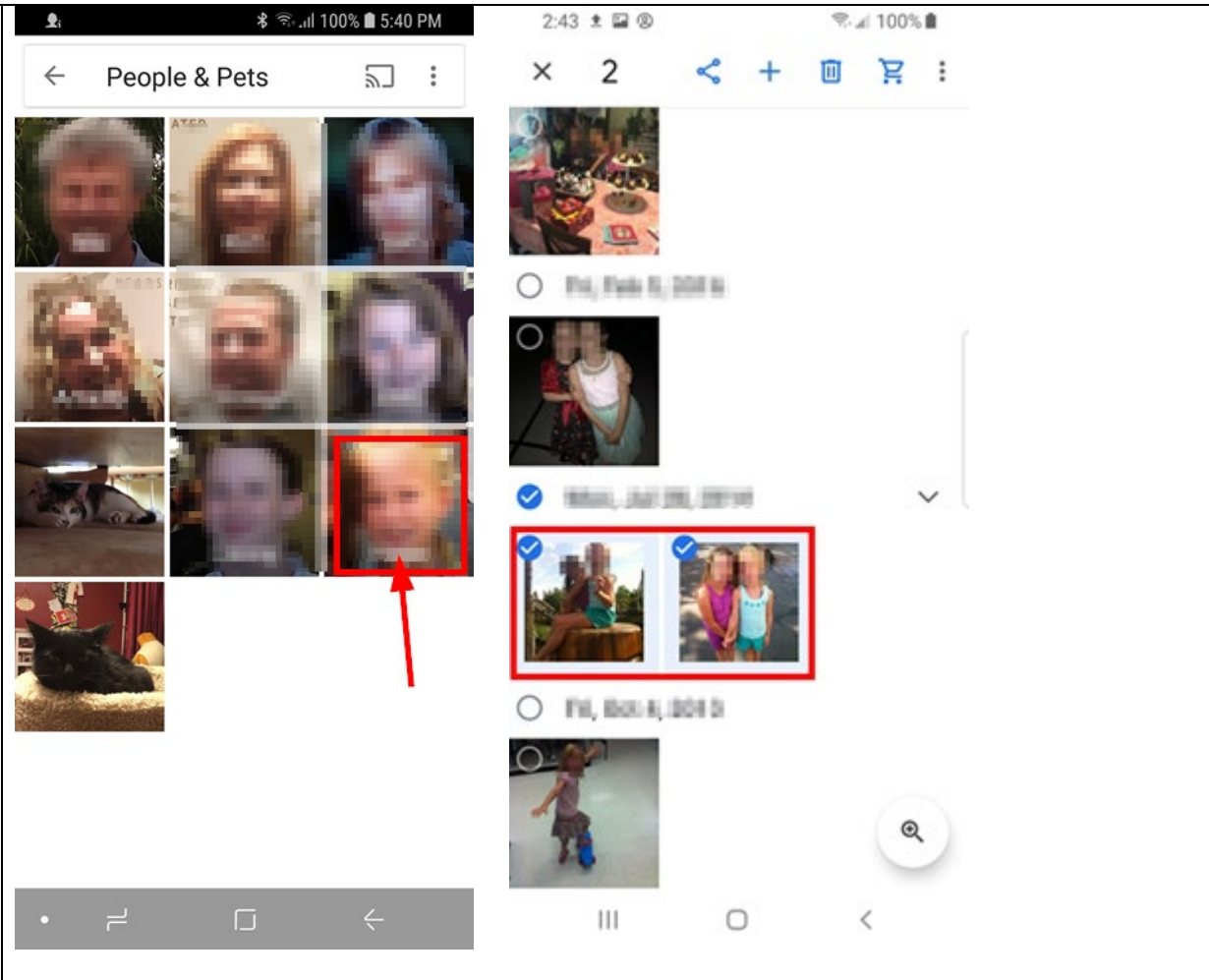
		
<p>wherein the individual selection of the at least portion of the set of images of the second feature for sharing images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at</p>	<p>Samsung devices use a computer-implemented method wherein the individual selection of the at least portion of the set of images of the second feature for sharing images reduces a number of images in the at least portion of the set of images, thereby facilitating sharing of the at least portion of the set of images via at least one of the email communication option, the instant message communication option, or the social network communication option.</p>	

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least one of the email communication option, the instant message communication option, or the social network communication option.



Caveat: The notes and/or cited excerpts utilized herein are set forth for illustrative purposes only and are not meant to be limiting in any manner. For example, the notes and/or cited excerpts, may or may not be supplemented or substituted with different excerpt(s) of the relevant reference(s), as appropriate. Further, to the extent any error(s) and/or omission(s) exist herein, all rights are reserved to correct the same in connection with any subsequent correlations.