


Exhibit D

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	Claim 1
<p>1. A method for communicating with servers over the Internet to prevent or allow access to Internet sites, the method comprising computer-implemented steps of:</p>	<p>The Accused Apple Products¹ perform a method for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p>Apple's Mac OS Products communicate in various ways with servers over the Internet. For example, Apple's Mac OS Products can communicate with servers over the Internet through the use of Internet web browsers, such as the Safari web browser. Apple's Mac OS Products support various Internet web browsers that can access the World Wide Web.</p> <p>See, e.g., http://www.apple.com/safari/:</p> 

¹ The Accused Apple Products include Apple TV (1st Gen., 2nd Gen., and 3rd Gen.), Apple's iOS Products, and Apple's Mac OS Products. Apple's iOS products include the iPhone, iPhone 3G, iPhone 3GS, iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPad, iPhone 4, iPhone 4S, iPhone 5, iPhone 5S, iPhone 5C, iPhone 6, iPhone 6 Plus, iPod Touch 4th Generation, iPod Touch 5th Generation, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Air, iPad Air 2, iPad mini, iPad mini 2, iPad mini 3, and all other Apple products that use any version of the iOS or iPhone OS operating system. See 10/30/2014 Apple Responses to OpenTV Interrogatory Nos. 1 and 3 (tables of Accused Products). Apple's Mac OS Products include the iMac, Mac Pro, MacBook, MacBook Air, MacBook Pro, Mac Mini, and all other Apple products that use any version of the Mac OS operating system, such as Mac OS X. *Id.* The representative Mac OS features referenced in this chart apply to each of Apple's iOS Products, Apple TV, and Mac OS Products to the extent they use the same or similar structures and/or methods.

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	<p>See, e.g., Well known TCP and UDP ports used by Apple software products http://support.apple.com/kb/HT6175:</p> <p>“Learn more about TCP and UDP ports used by Apple products, such as OS X, OS X Server, Apple Remote Desktop, and iCloud. Many of these are referred to as "well known" industry standard ports...</p> <table><tr><th>Port</th><th>TCP or UDP</th><th>Service or Protocol Name</th><th>RFC</th><th>Service Name</th><th>Used by / Additional Information</th></tr><tr><td>80</td><td>TCP</td><td>Hypertext Transfer Protocol (HTTP)</td><td>2616</td><td>http</td><td>World Wide Web, iTunes Store and Radio, . . .</td></tr><tr><td>443</td><td>TCP</td><td>Secure Sockets Layer (SSL, or "HTTPS")</td><td>2818</td><td>https</td><td>iTunes Store</td></tr></table> <p>”</p> <p>See, e.g., http://support.apple.com/kb/PH14161:</p> <p>“Use the advanced TCP/IP settings of Network preferences to adjust your TCP/IP settings for the network connection service you’re using.”</p>	Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store
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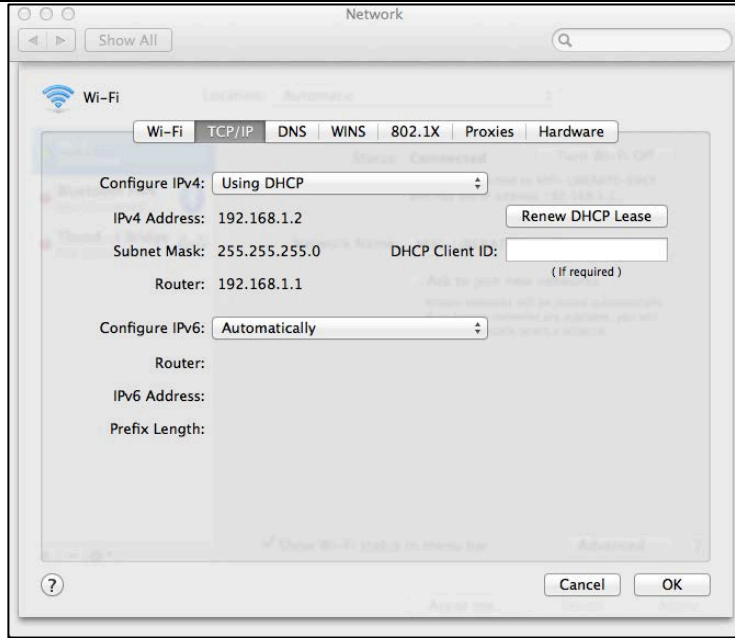
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="690 228 1419 862">  </div> <p>For example, Apple's Mac OS Products include features, such as Parental Controls, that can prevent or allow access to Internet Sites. To the extent an Internet site that may be accessed by Apple's Mac OS Products differs from the claimed Internet site, such a difference would be insubstantial and the Internet site would perform substantially the same function, in substantially the same way, to achieve substantially the same result as the claimed Internet site.</p> <p>See, e.g., http://support.apple.com/kb/PH14414, OS X Maverick: Set up parental controls, May 8, 2014:</p> <p>"Using Parental Controls preferences, you can manage, monitor, and control the time your kids spend on the Mac, the websites they visit, and the people they chat with."</p> <p>See, e.g.:</p>

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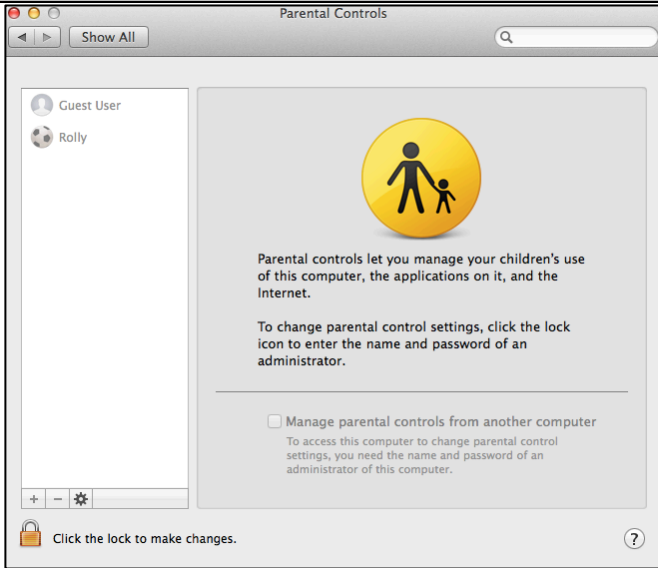
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="693 228 1346 792"></div> <p data-bbox="693 833 1255 862">See, e.g., http://support.apple.com/kb/ht2900:</p> <p data-bbox="693 898 1881 1032">“You can use Parental Controls in Mac OS X 10.5 and 10.6 to help prevent user accounts from accessing inappropriate content on Internet websites ... The Internet content filter is built into the core of the operating system, allowing it to filter Internet access regardless of which Web browser is used.”</p> <p data-bbox="693 1076 1866 1141">For example, Apple's Mac OS Products include a processor that performs computer-implemented steps for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p data-bbox="693 1182 1304 1211">See, e.g., http://store.apple.com/us/mac/compare:</p>

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Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products				
					
	MacBook Air 11-inch	MacBook Air 13-inch	MacBook Pro 13-inch	MacBook Pro with Retina display 13-inch	MacBook Pro with Retina display 15-inch
	From \$899 Buy now	From \$999 Buy now	From \$1099 Buy now	From \$1299 Buy now	From \$1999 Buy now
	11.6-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit Retina display	15.4-inch (diagonal) LED-backlit Retina display
	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 2.9GHz dual-core Intel Core i7 processor	Up to 3.0GHz dual-core Intel Core i7 processor	Up to 2.8GHz quad-core Intel Core i7 processor
<i>See, e.g.:</i>					
	All Mac notebooks		All Mac desktops		
					
	Mac mini	21.5-inch iMac	27-inch iMac	Mac Pro	
	From \$599 Buy now	From \$1099 Buy now	From \$1799 Buy now	From \$2999 Buy now	
	Sleek aluminum enclosure	All-in-one aluminum and glass enclosure	All-in-one aluminum and glass enclosure	Machined aluminum enclosure	
	Dual-core Intel Core i5 or quad-core Intel Core i7	Dual-core Intel Core i5 or quad-core Intel Core i5 or i7	Quad-core Intel Core i5 or i7	Quad-Core or 6-Core Intel Xeon E5	

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(a) opening a data stream to send a message through an interface to an Internet server;	<p>Apple’s Mac OS Products open a data stream to send a message through an interface to an Internet server.</p> <p>The Apple Mac OS Products can send various messages through an interface through to an Internet server. For example, Apple’s Mac OS Products can send an HTTP message, such as an HTTP Request. When a user enters a URL of a website into a web browser, such as the Safari web browser, Apple’s Mac OS Products open a data stream, such as a TCP data stream, to send a message through an interface to an Internet server.</p> <p>See, e.g., Well known TCP and UDP ports used by Apple software products, http://support.apple.com/kb/HT6175</p> <p>“Learn more about TCP and UDP ports used by Apple products, such as OS X, OS X Server, Apple Remote Desktop, and iCloud. Many of these are referred to as "well known" industry standard ports...</p> <table><tr><th>Port</th><th>TCP or UDP</th><th>Service or Protocol Name</th><th>RFC</th><th>Service Name</th><th>Used by / Additional Information</th></tr><tr><td>80</td><td>TCP</td><td>Hypertext Transfer Protocol (HTTP)</td><td>2616</td><td>http</td><td>World Wide Web, iTunes Store and Radio, . . .</td></tr><tr><td>443</td><td>TCP</td><td>Secure Sockets Layer (SSL, or "HTTPS")</td><td>2818</td><td>https</td><td>iTunes Store</td></tr></table> <p>”</p>	Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store
Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information														
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(b) maintaining a database of filtering information comprising a table of filters, said table comprising	<p>Apple's Mac OS Products maintain a database of filtering information comprising a table of filters.</p> <p>For example, Apple's Mac OS Parental Controls includes a database of filtering information comprising a table of filters.</p> <p>See, e.g., http://support.apple.com/kb/PH14414:</p> <p>"Open Parental Controls preferences . . . then click the tabs along the top The "Web" tab "[l]imit[s] access to websites or allow unrestricted access."</p> <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>"The [Parental Controls] Internet content filter can operate in three modes: unrestricted, automatic, and whitelist."</p> <p>See, e.g.,:</p>

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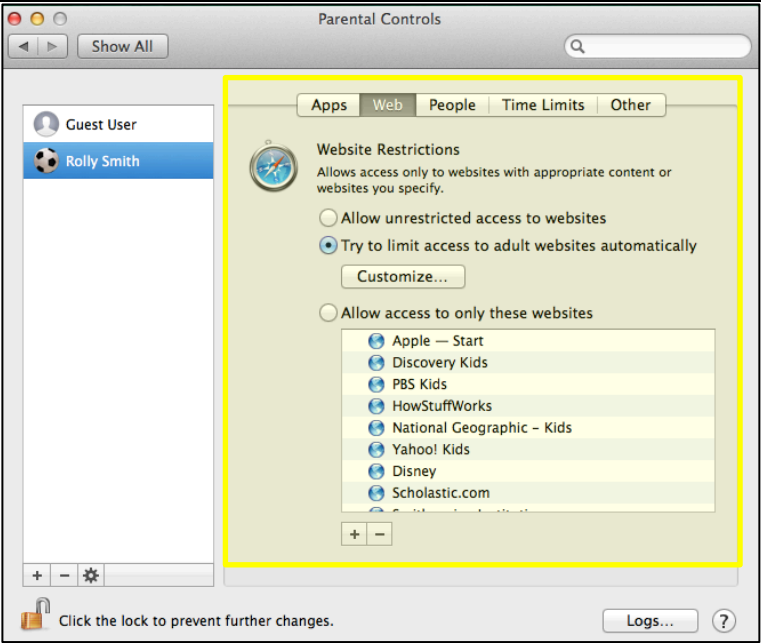
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Website Restrictions' tab is selected and highlighted with a yellow border. It contains the following text: 'Website Restrictions', 'Allows access only to websites with appropriate content or websites you specify.', two radio buttons (the second is selected), a 'Customize...' button, and a list of allowed websites including Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic - Kids, Yahoo! Kids, Disney, and Scholastic.com. The window also shows a user list on the left with 'Guest User' and 'Rolly Smith', and a lock icon at the bottom with the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p></div> <p>See, e.g.:</p>

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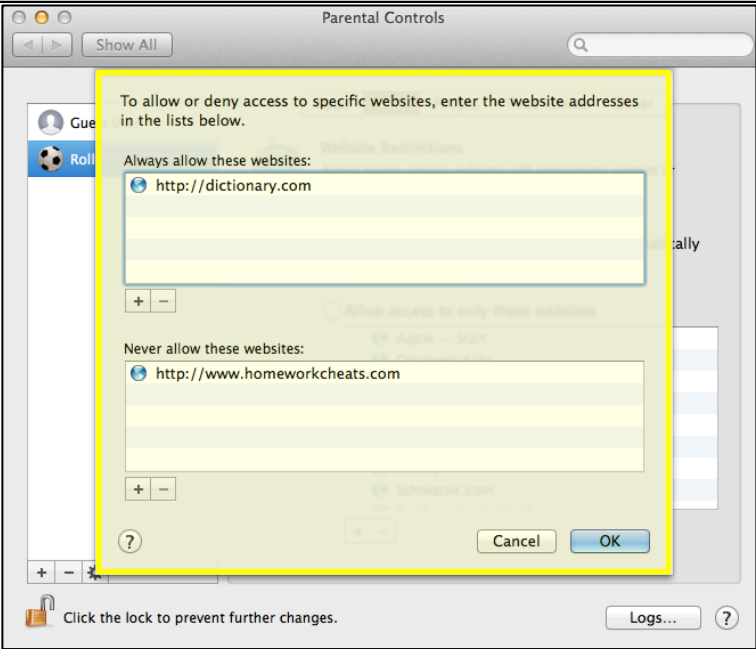
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. A yellow rectangular box highlights the 'Website Restrictions' section. Inside this box, there are two lists: 'Always allow these websites:' which contains the entry 'http://dictionary.com', and 'Never allow these websites:' which contains the entry 'http://www.homeworkcheats.com'. The background window shows other tabs like 'Content Restrictions' and 'App Store Restrictions', and a lock icon at the bottom with the text 'Click the lock to prevent further changes.' and buttons for 'Cancel', 'OK', and 'Logs...'.</p></div> <p>See, e.g., http://support.apple.com/kb/PH14414:</p> <p><i>The “Other” tab “[h]ide[s] profanity in the dictionary and other sources”</i></p> <p>See, e.g.:</p>

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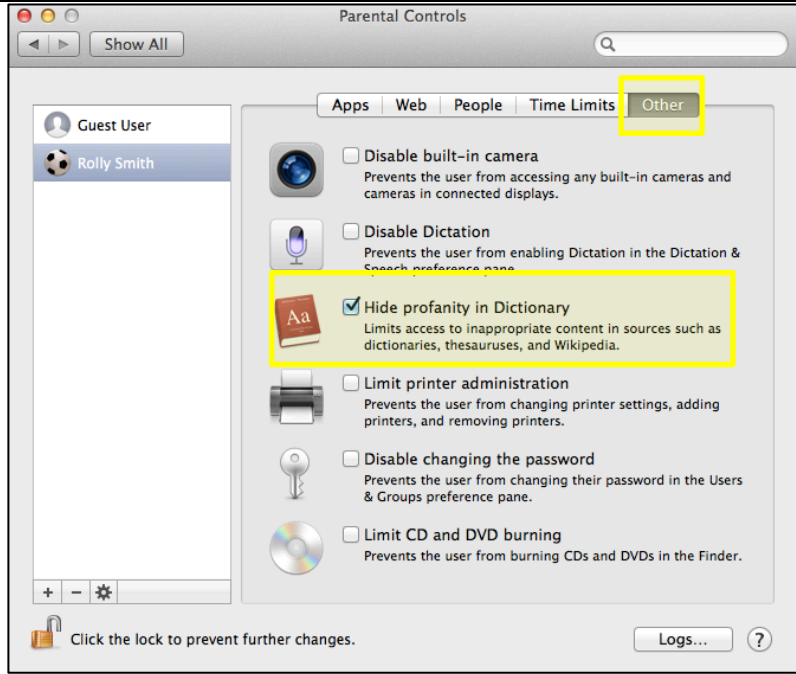
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="690 228 1480 898"><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Other' tab is selected and highlighted with a yellow box. Within this tab, the 'Hide profanity in Dictionary' option is checked and highlighted with a yellow box. The other options are unchecked: 'Disable built-in camera', 'Disable Dictation', 'Limit printer administration', 'Disable changing the password', and 'Limit CD and DVD burning'. The window also shows a list of users on the left, including 'Guest User' and 'Rolly Smith'.</p></div> <p>See, e.g., http://support.apple.com/kb/ht1904:</p>

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	<div data-bbox="695 228 1764 1016"> <div data-bbox="722 261 1211 297">iTunes: Using Parental Controls</div> <div data-bbox="1604 261 1757 284">Languages English</div> <p data-bbox="722 316 1564 339">iTunes has parental controls in iTunes Preferences that allow you to set content restrictions.</p> <p data-bbox="722 397 1738 477">For example, you can restrict explicit content from displaying in the iTunes Store. You can also disable podcasts, radio content, the iTunes Store, and shared music so that these items don't appear on the left side of the iTunes window.</p> <p data-bbox="722 508 957 531">Setting Parental Controls</p> <p data-bbox="722 539 1285 561">To set parental controls on your computer, follow these steps:</p> <ol data-bbox="737 592 1738 850" style="list-style-type: none"> 1. In iTunes, open iTunes preferences. Mac users: From the iTunes menu, choose Preferences. Windows users: On the Edit menu, click Preferences. 2. Click the Parental tab. 3. Select the checkbox next to any item you wish to disable or restrict. 4. To change a rating level of TV Shows, Movies, and Games choose a rating level from the pop-up menu. 5. Click the lock icon to prevent users from making changes. 6. Type your administrator password in the resulting dialog, then click OK (You'll need to know the administrator's account name and password). 7. Click OK to close iTunes preferences and have your changes take effect. <p data-bbox="722 881 1738 961">If you want to make changes to your restrictions, open iTunes preferences, click the Parental tab, click the lock icon, and enter your administrator password in the resulting dialog to unlock the parental controls. You can then make any desired changes.</p> <div data-bbox="722 992 984 1015">iTunes 11 Parental Controls</div> </div> <p data-bbox="690 1057 802 1086"><i>See, e.g.:</i></p>

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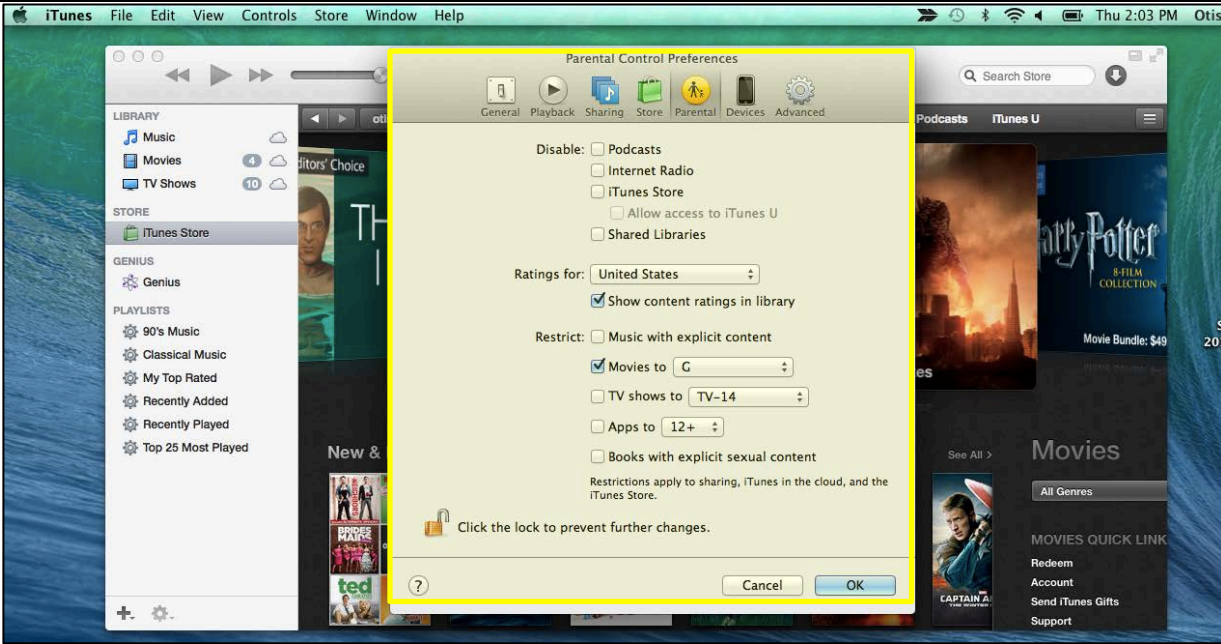
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	
(1) filters specifying immediate action, and	<p>Apple's Mac OS Products include filters specifying immediate action.</p> <p>For example, Apple's Mac OS Parental Controls include filters specifying immediate action.</p> <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>"If 'Allow access to only these websites' is selected in Parental Controls, the Internet content filter blocks any website which is not on the list. When the blocking web page is presented, a list of allowed websites is also shown. If using Safari, allowed websites are displayed as bookmarks in the bookmarks bar."</p> <p>See, e.g.:</p>

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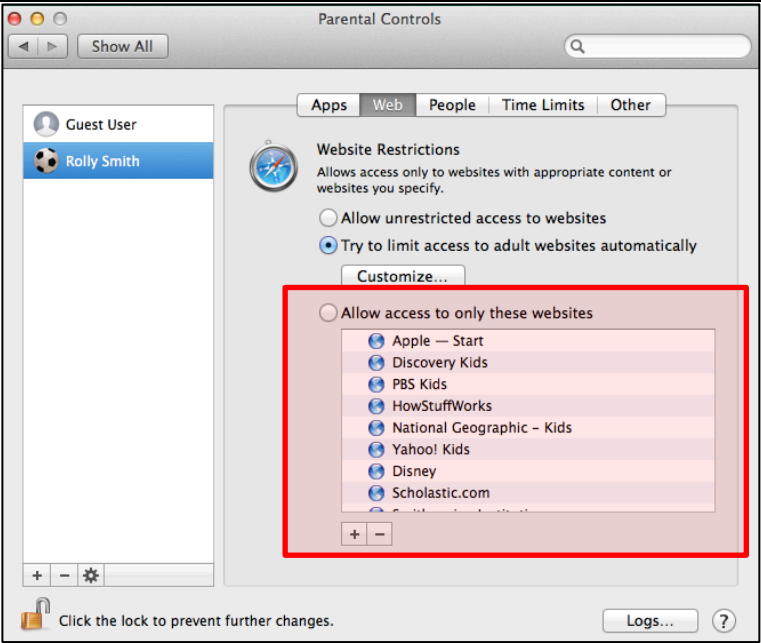
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Web' tab is selected, and the 'Website Restrictions' section is active. The option 'Try to limit access to adult websites automatically' is selected. A red box highlights the 'Allow access to only these websites' section, which contains a list of approved websites: Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic - Kids, Yahoo! Kids, Disney, and Scholastic.com. The window also shows a list of users on the left, including 'Guest User' and 'Rolly Smith', and a lock icon at the bottom with the text 'Click the lock to prevent further changes.'</p></div> <p>See, e.g.:</p>

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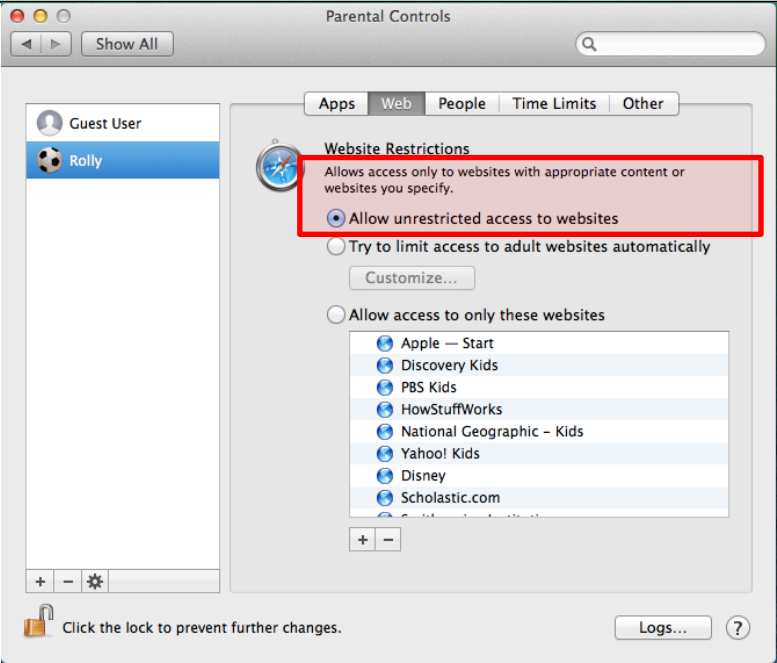
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Web' tab is selected. Under 'Website Restrictions', the option 'Allow unrestricted access to websites' is selected and highlighted with a red rectangle. Other options include 'Try to limit access to adult websites automatically' and 'Allow access to only these websites'. A list of allowed websites is shown below, including Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic – Kids, Yahoo! Kids, Disney, and Scholastic.com. At the bottom, there is a lock icon and the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p></div> <p>See, e.g.:</p>

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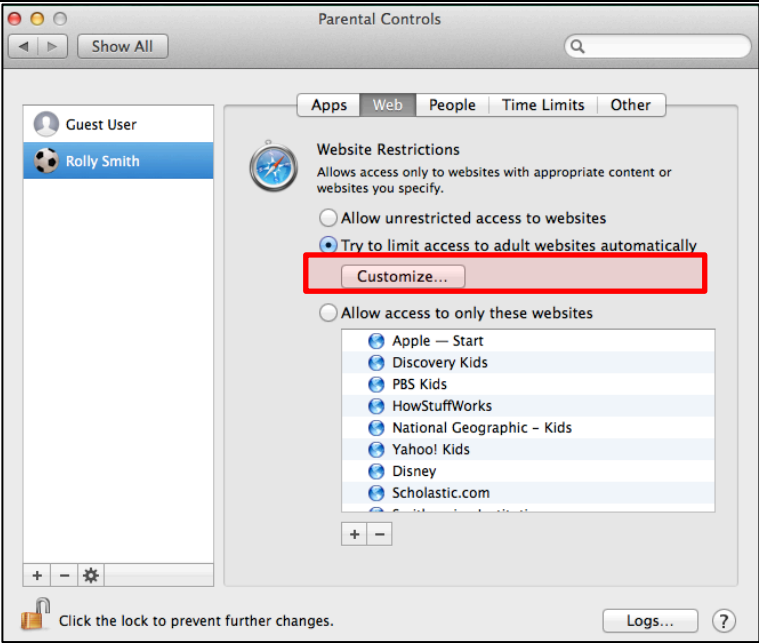
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Website Restrictions' section is active, showing options to limit access to adult websites. The 'Customize...' button is highlighted with a red rectangle. The list of allowed websites includes Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic — Kids, Yahoo! Kids, Disney, and Scholastic.com.</p></div> <p>See, e.g.:</p>

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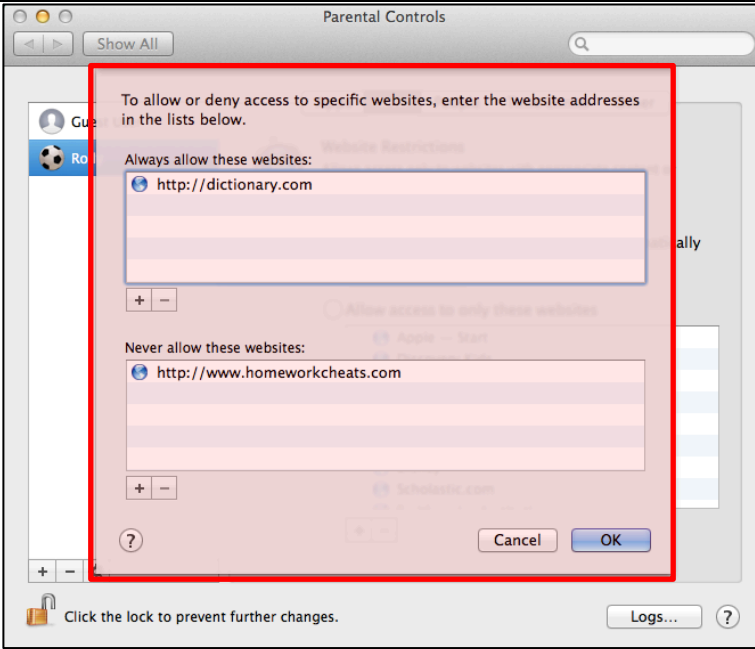
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. A red rectangular box highlights the central area where website restrictions are managed. Inside this box, there are two sections: 'Always allow these websites:' which contains a list with 'http://dictionary.com', and 'Never allow these websites:' which contains a list with 'http://www.homeworkcheats.com'. Both lists have '+' and '-' buttons next to them. The background of the window is dimmed, showing other settings like 'Content Advisor' and 'Screen Time'.</p>
(2) filters specifying deferred action;	<p>Apple's Mac OS Products include filters specifying deferred action.</p> <p>For example, Apple's Mac OS Parental Controls include filters specifying deferred action.</p> <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>"When "Try to limit access to adult websites automatically" is selected, the Internet content filter does its best to block websites with inappropriate content . . . The Internet content filter can identify, with a high degree of accuracy, whether a Web page is safe or not by examining various properties of the website including text and structure."</p> <p>See, e.g.:</p>

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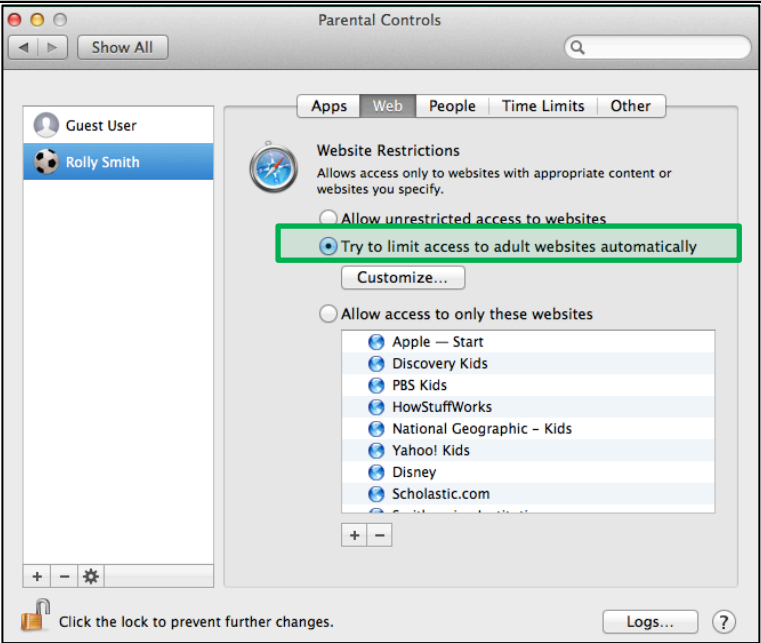
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>See, e.g., http://support.apple.com/kb/PH14414:</p><p>The “Other” tab “[h]ide[s] profanity in the dictionary and other sources”</p><p>See, e.g.:</p></div>

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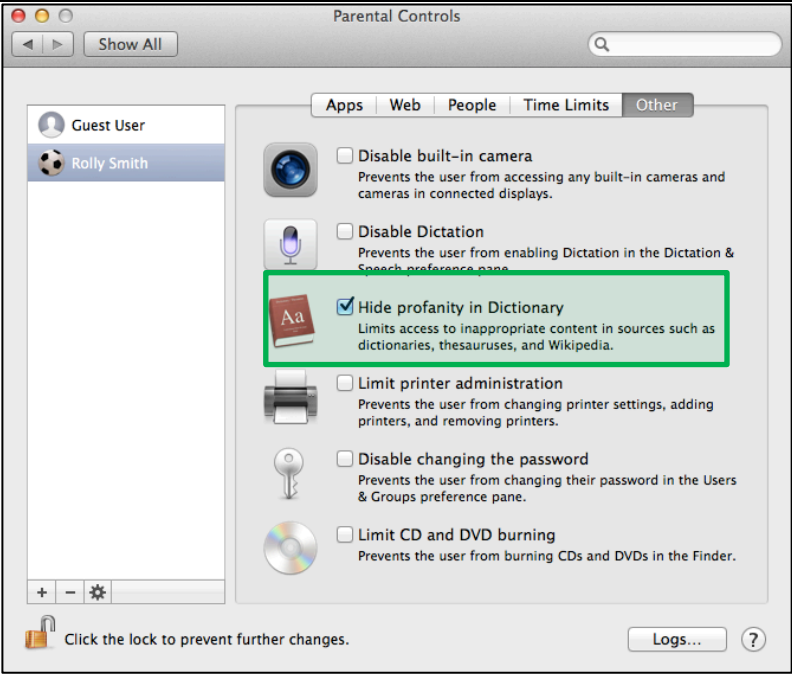
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	<div></div> <p>See, e.g.:</p>

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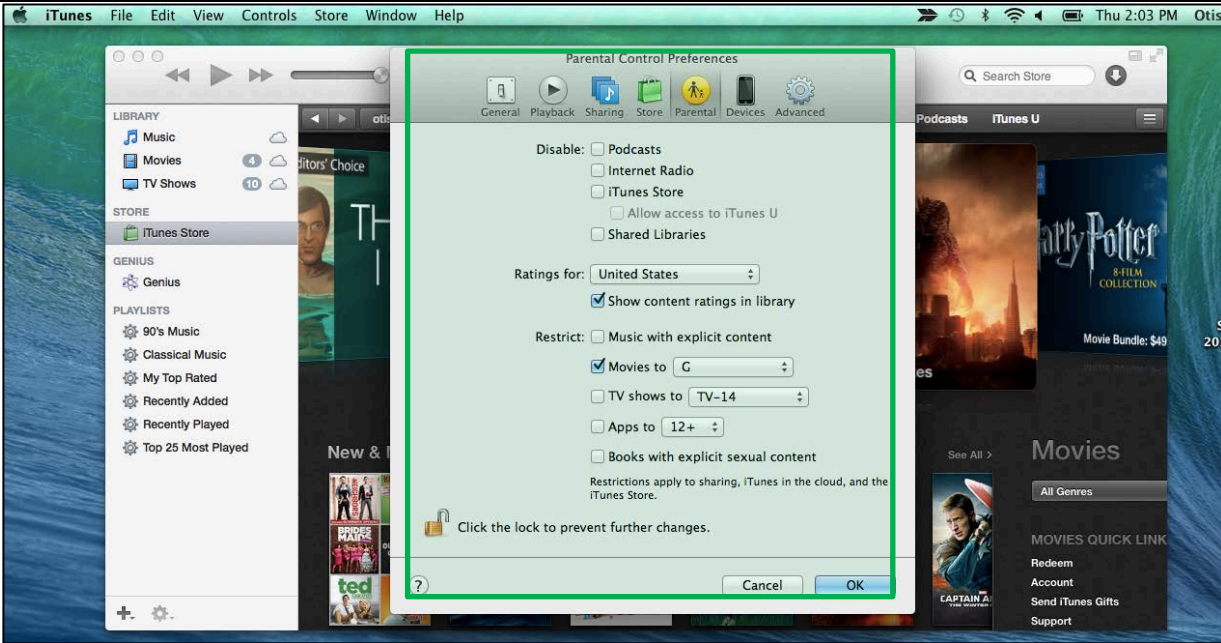
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<p>(c) comparing information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action; and</p> <p>(d) determining whether to prevent or allow the outgoing transmission of the message based on the comparison.</p>	<p>Apple's Mac OS Products compare information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple's Mac OS Products that can be compared to the filtering information. For example, Apple's Mac OS Parental Controls allow Apple's Mac OS Products to compare information in a message, such as an HTTP message, to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow transmission of the message in response to the comparison, for example, as shown in the examples below. To the extent a message in the Apple Mac OS Products differs from the claimed message, such a difference would be insubstantial and the messages would perform substantially the same function, in substantially the same way, to achieve substantially the same result.</p>

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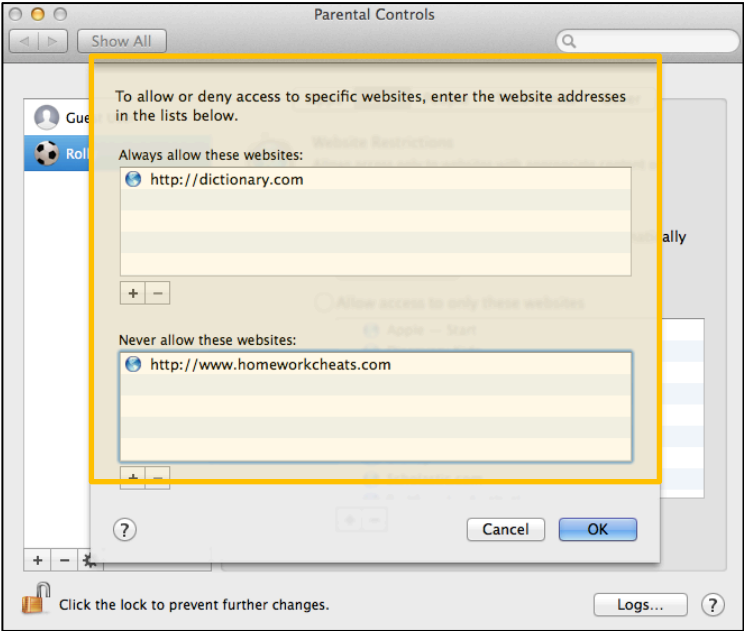
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	<p>Example 1-1: Filtering information:</p>  <p>Example 1-2: Comparing information in the message to filtering information:</p>

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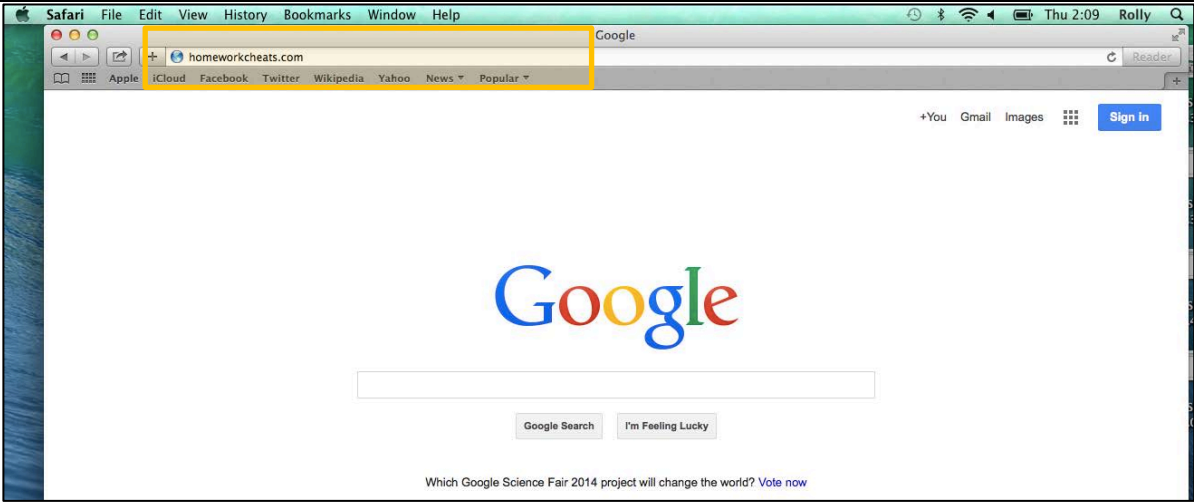
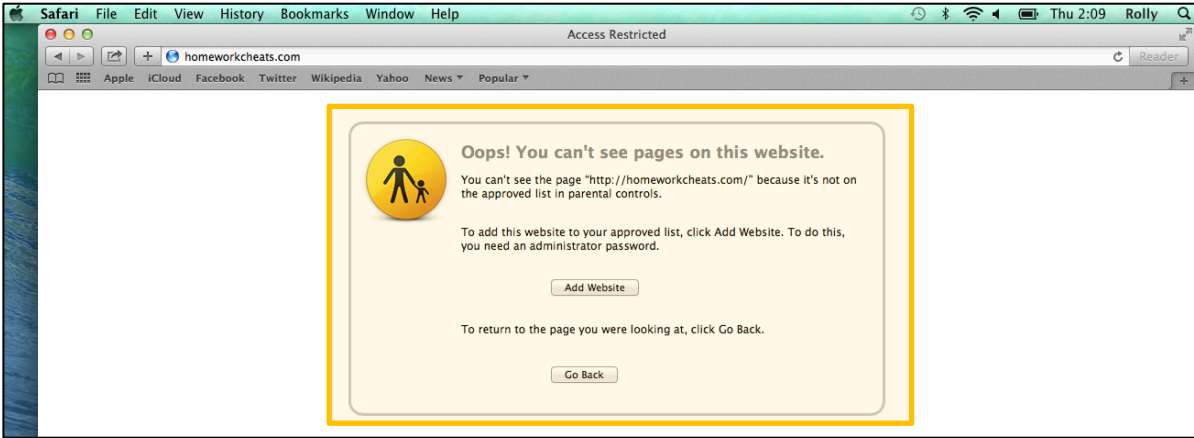
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	 <p>Example 1-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p> 

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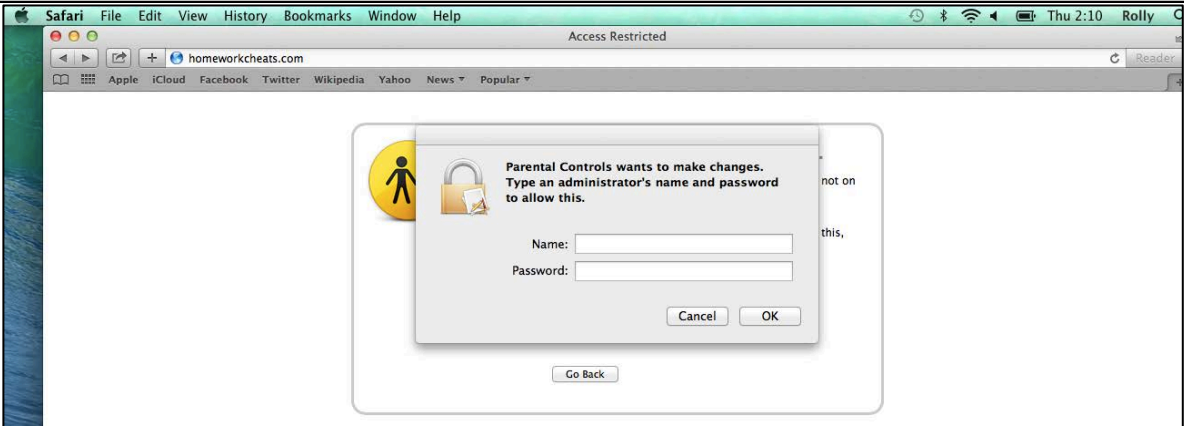
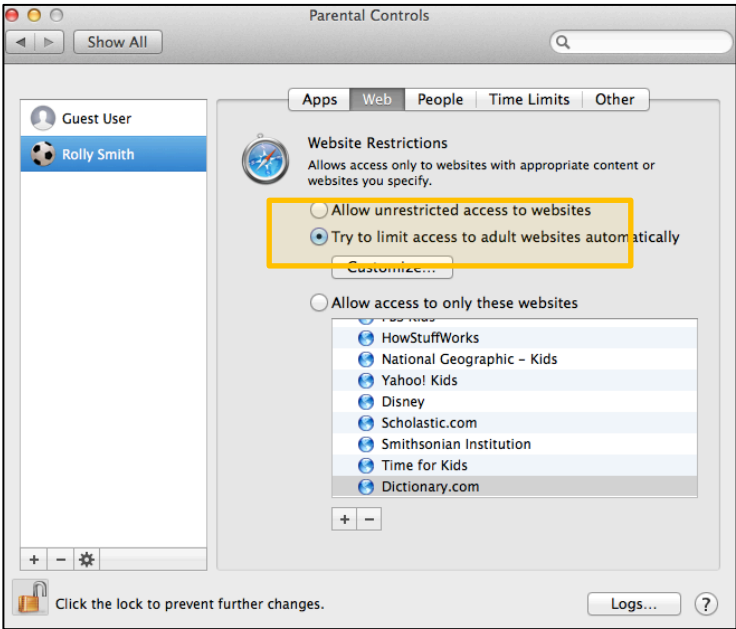
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="695 228 1871 651"></div> <p data-bbox="695 691 1106 724">Example 2-1: Filtering information:</p> <div data-bbox="695 761 1425 1386"></div>

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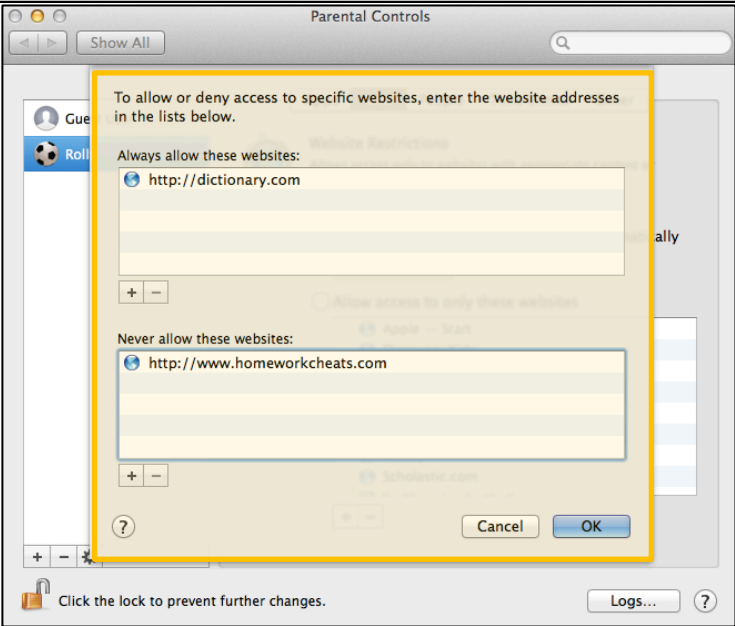
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 A screenshot of the Mac OS Parental Controls window, specifically the 'Website Restrictions' section. The window is titled 'Parental Controls' and has a search bar at the top right. The 'Website Restrictions' section is highlighted with a yellow border. It contains two lists: 'Always allow these websites:' with the entry 'http://dictionary.com' and 'Never allow these websites:' with the entry 'http://www.homeworkcheats.com'. Both lists have '+' and '-' buttons next to them. At the bottom of the window, there is a lock icon and the text 'Click the lock to prevent further changes.' along with 'Logs...' and '?' buttons.

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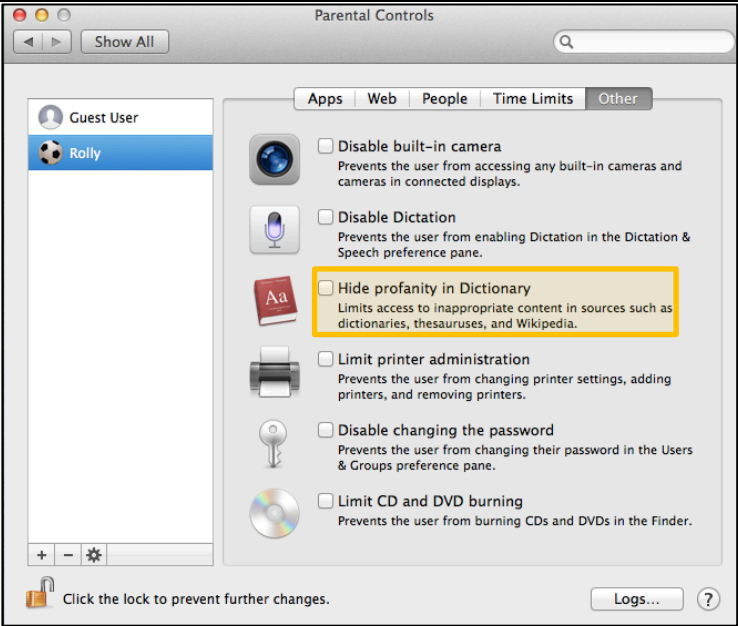
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	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Other' tab is selected, displaying several options with checkboxes. The option 'Hide profanity in Dictionary' is highlighted with a yellow rectangular box. The text for this option reads: 'Limits access to inappropriate content in sources such as dictionaries, thesauruses, and Wikipedia.' Other visible options include 'Disable built-in camera', 'Disable Dictation', 'Limit printer administration', 'Disable changing the password', and 'Limit CD and DVD burning'. The window also shows a list of users on the left, including 'Guest User' and 'Rolly', and a lock icon at the bottom left with the text 'Click the lock to prevent further changes.'</p></div> <p>Example 2-2: Comparing information in the message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

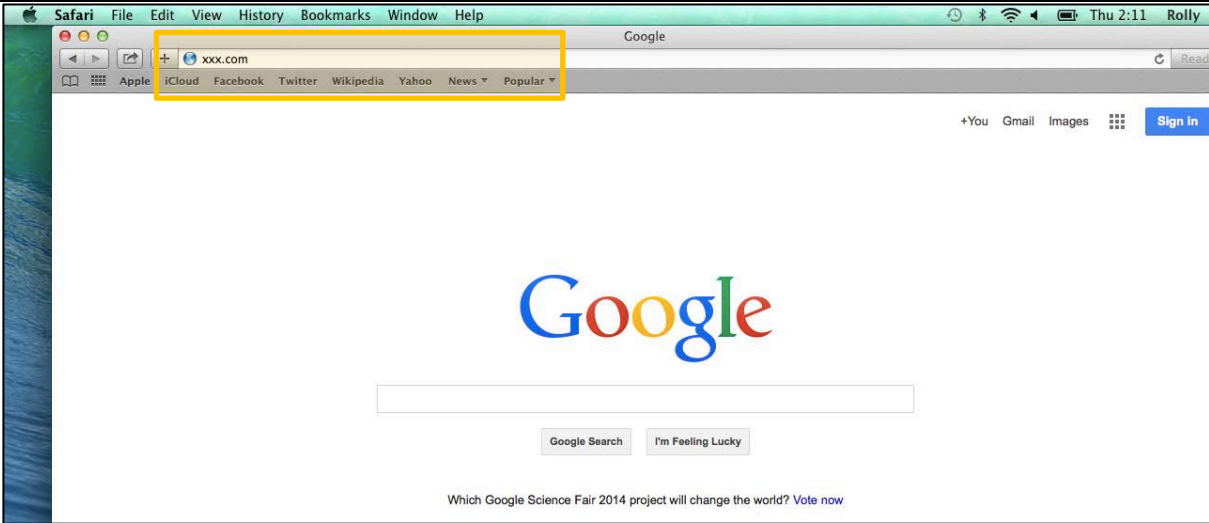
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>“When "Try to limit access to adult websites automatically" is selected, the Internet content filter does its best to block websites with inappropriate content. To do this, the Internet content filter uses the same technology that the Mail application uses to identify "junk" mail. The Internet content filter can identify, with a high degree of accuracy, whether a Web page is safe or not by examining various properties of the website including text and structure.</p> <p>Additionally, the Internet content filter will block a website if the website identifies itself as adult-oriented using RTA (http://www.rtalabel.org/) or SafeSurf (http://www.safesurf.com/ssplan.htm) rating systems, as well as forcing "safe" searches with some search engines.”</p> <p>Example 2-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

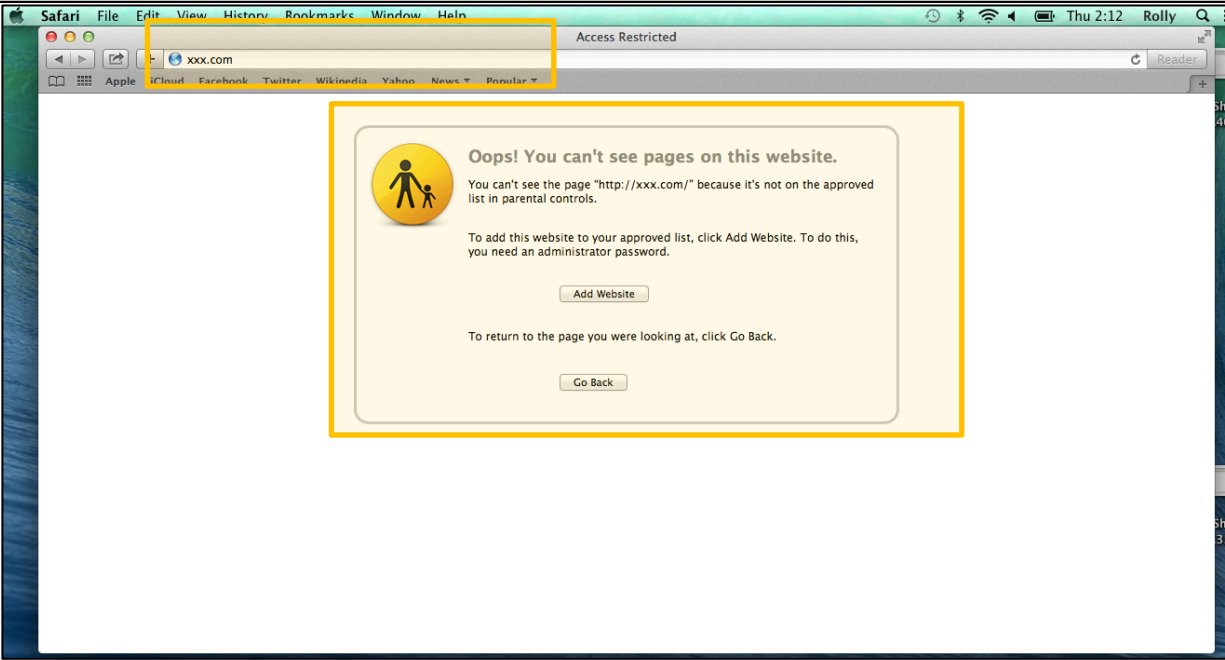
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div data-bbox="695 228 1913 883"></div> <p data-bbox="695 959 1104 992">Example 3-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

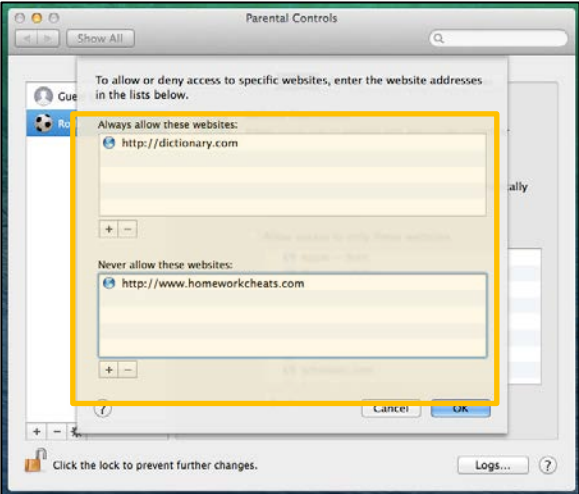
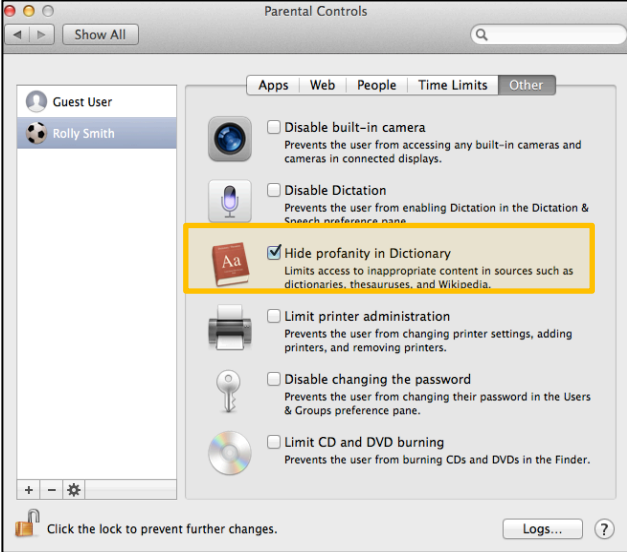
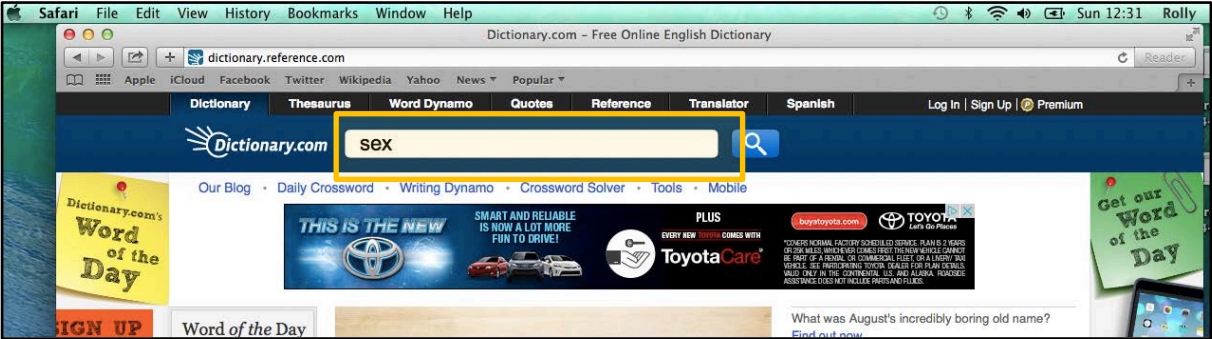
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div></div> <p>Example 3-2: Comparing information in the message to filtering information:</p> <div></div> <p>Example 3-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

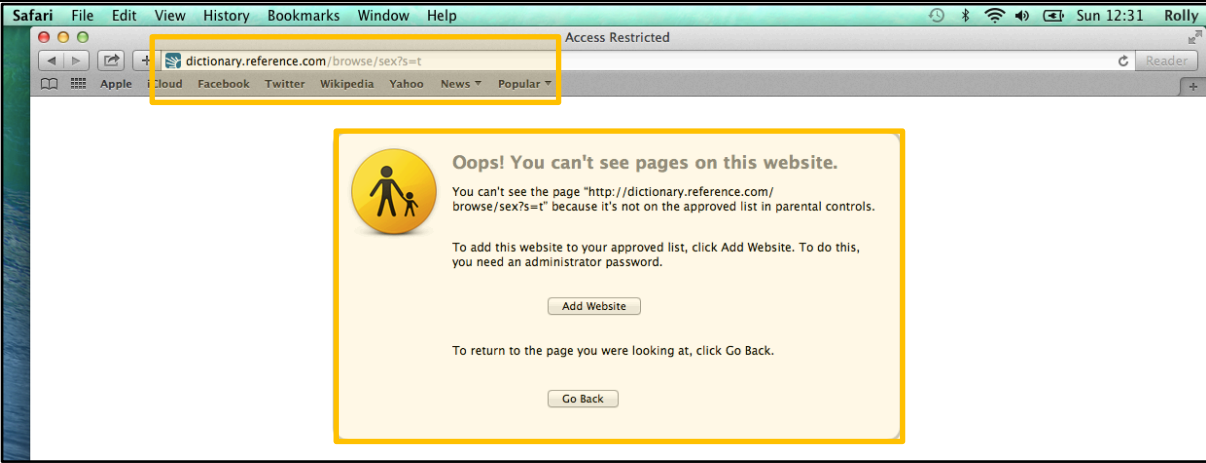
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div data-bbox="695 228 1894 688"></div> <p data-bbox="695 727 1106 760">Example 4-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

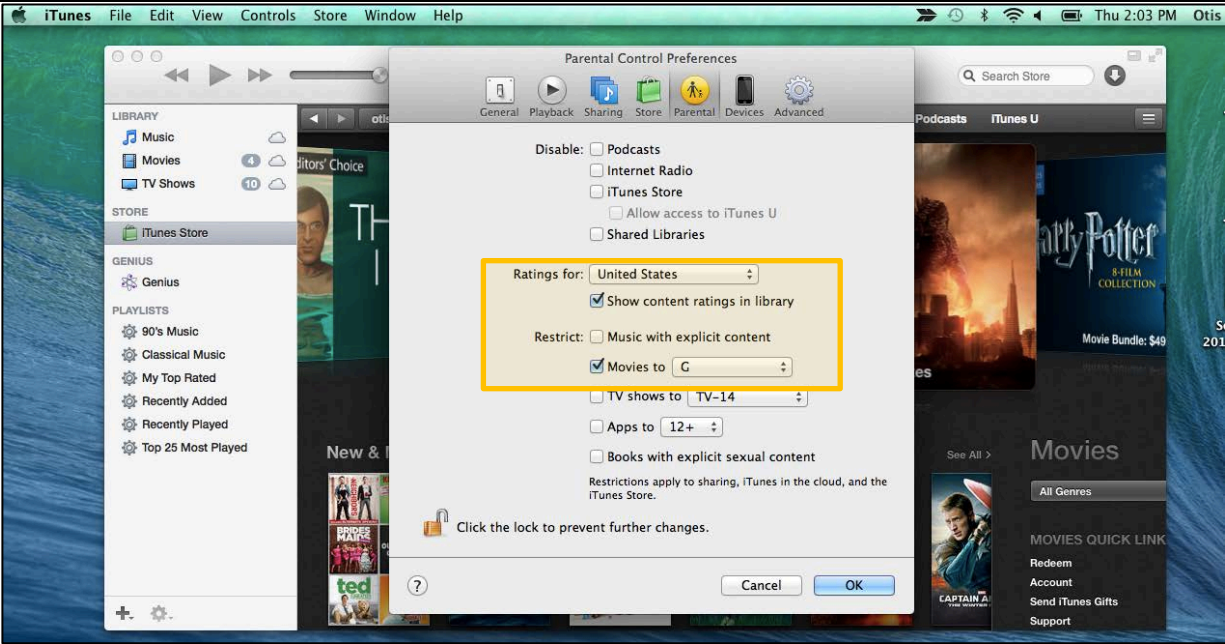
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot shows the iTunes application window with the 'Parental Control Preferences' dialog box open. The dialog box has tabs for General, Playback, Sharing, Store, Parental, Devices, and Advanced. The 'Parental' tab is selected. In the 'Parental' tab, there is a section for 'Ratings for: United States' which is highlighted with a yellow box. This section includes a checkbox for 'Show content ratings in library' which is checked. Below this is a 'Restrict:' section with a checkbox for 'Movies to' which is checked and set to 'G'. Other options in the 'Restrict:' section include 'TV shows to' (set to 'TV-14'), 'Apps to' (set to '12+'), and 'Books with explicit sexual content'. At the bottom of the dialog box, there is a lock icon and the text 'Click the lock to prevent further changes.' along with 'Cancel' and 'OK' buttons.</p>
	Example 4-2: Comparing information in the message to filtering information:

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div></div> <p>Example 4-3: Determining whether to prevent or allow transmission of the message in response to the comparison. In the <i>Frozen</i> example, the transmission of the outgoing message to purchase <i>Frozen</i>, which is a PG rated movie, is prevented in response to the comparison of the movie rating filter. In the <i>Finding Nemo</i> example, the transmission of the outgoing message to purchase or rent the <i>Finding Nemo</i>, which is a G rated movie, is allowed:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033


Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	
Claim 2	
<p>2. The method of claim 1, wherein some of the filters indicate that the message should be sent, and others indicate that the message should be blocked.</p>	<p>Apple's Mac OS Products include filters that indicate that the message should be sent, and others that indicate that the message should be blocked.</p> <p>For example, some of the filters in the Apple Mac OS Products can indicate that a message should be sent, for example by identifying http://dictionary.reference.com as a site to always allow, and other messages, such as requesting adult content from http://dictionary.reference.com, should be blocked.</p> <p><i>See, e.g.:</i></p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

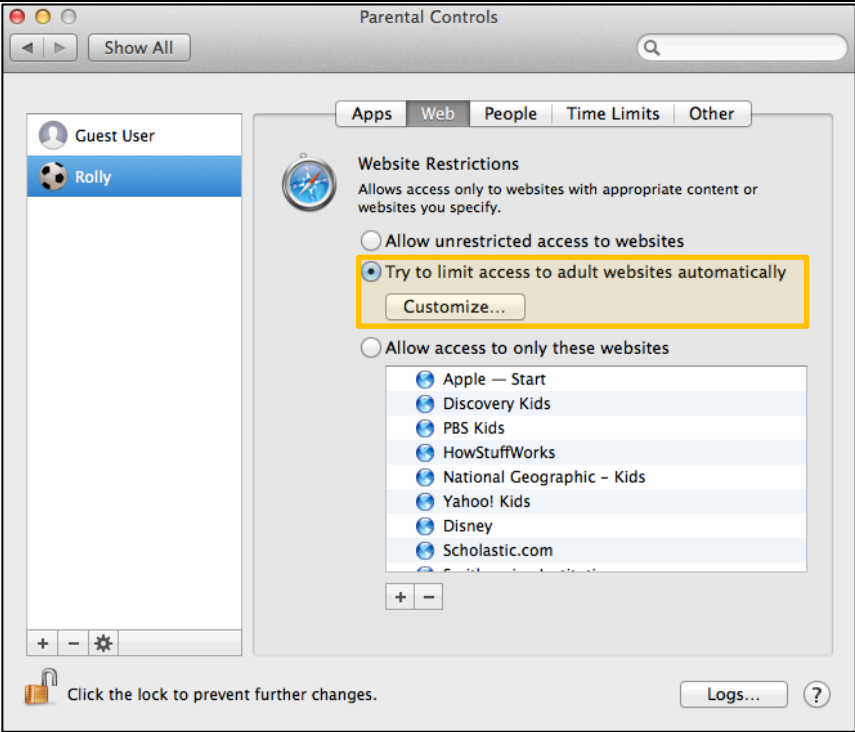
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot displays the 'Parental Controls' window in Mac OS. On the left, a sidebar lists users: 'Guest User' and 'Rolly'. The main pane is titled 'Website Restrictions' and includes a search bar. It features three tabs: 'Apps', 'Web', and 'People'. Under the 'Web' tab, there are two radio button options. The first option, 'Allow unrestricted access to websites', is unselected. The second option, 'Try to limit access to adult websites automatically', is selected and highlighted with a yellow rectangular box. Below this selected option is a 'Customize...' button. A third option, 'Allow access to only these websites', is unselected and has a list of approved websites below it, including 'Apple — Start', 'Discovery Kids', 'PBS Kids', 'HowStuffWorks', 'National Geographic - Kids', 'Yahoo! Kids', 'Disney', and 'Scholastic.com'. At the bottom of the window, there is a lock icon with the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

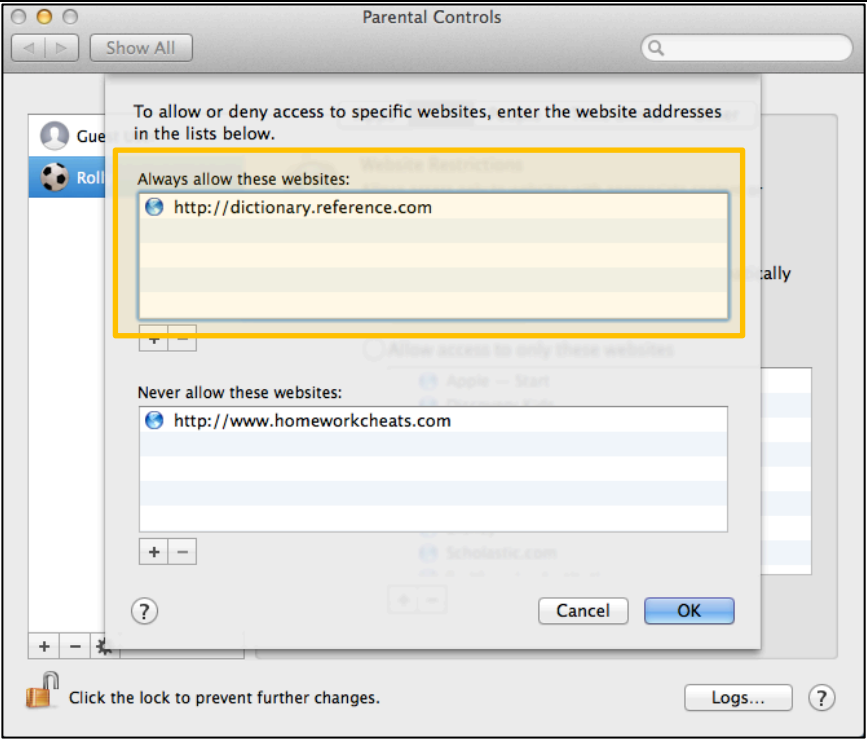
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. A yellow rectangular box highlights the 'Always allow these websites:' section, which contains the URL 'http://dictionary.reference.com'. Below this, the 'Never allow these websites:' section contains the URL 'http://www.homeworkcheats.com'. The window includes a search bar at the top, a 'Show All' button, and a lock icon at the bottom with the text 'Click the lock to prevent further changes.' The background shows a portion of the 'Website Restrictions' pane with a sidebar containing 'Guest' and 'Roll' icons.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

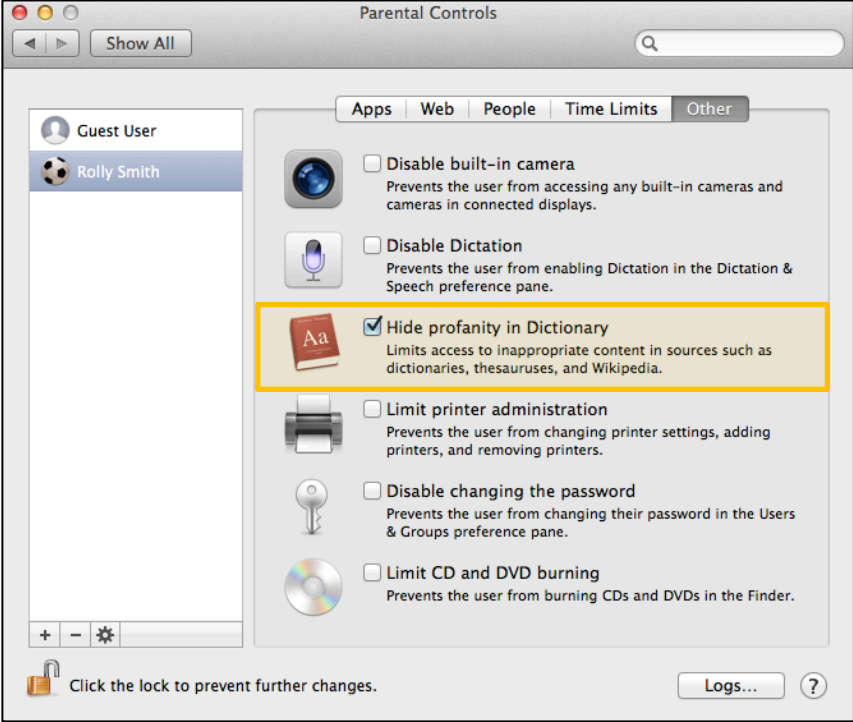
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Other' tab is selected, displaying a list of settings. The setting 'Hide profanity in Dictionary' is checked and highlighted with a yellow border. The other settings are unchecked: 'Disable built-in camera', 'Disable Dictation', 'Limit printer administration', 'Disable changing the password', and 'Limit CD and DVD burning'. The window includes a sidebar with user accounts 'Guest User' and 'Rolly Smith', a search bar, and a lock icon at the bottom left with the text 'Click the lock to prevent further changes.' and a 'Logs...' button at the bottom right.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033


Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>The top screenshot shows the Dictionary.com homepage in a Safari browser window. The search bar at the top contains the word "sex". Below the search bar, there are various advertisements and featured content, including "Word of the Day: curlicue", "What's the 'dog' in 'hot dog'?", "Friday, September 5", "5 Foods to never eat:", "Rhyme & Reason", "Vocab Booster", and "Quiz".</p> <p>The bottom screenshot shows the search results for "sex" on Dictionary.com. The word "sex" is displayed in large letters, followed by its phonetic transcription "[seks]" and buttons for "Spell" and "Syllables". Below this, the word is identified as a "noun" and its definition is listed in three numbered points. The definition is highlighted in a yellow box:</p> <ol style="list-style-type: none"> 1. either the male or female division of a species, especially as differentiated with reference to the reproductive functions. 2. the sum of the structural and functional differences by which the male and female are distinguished, or the phenomena or behavior dependent on these differences. 3. the instinct or attraction drawing one sex toward another, or its manifestation in life and conduct. <p>To the right of the definition, there is a "Word of the Day" section for "curlicue" and a "GET CLEAN!" advertisement.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

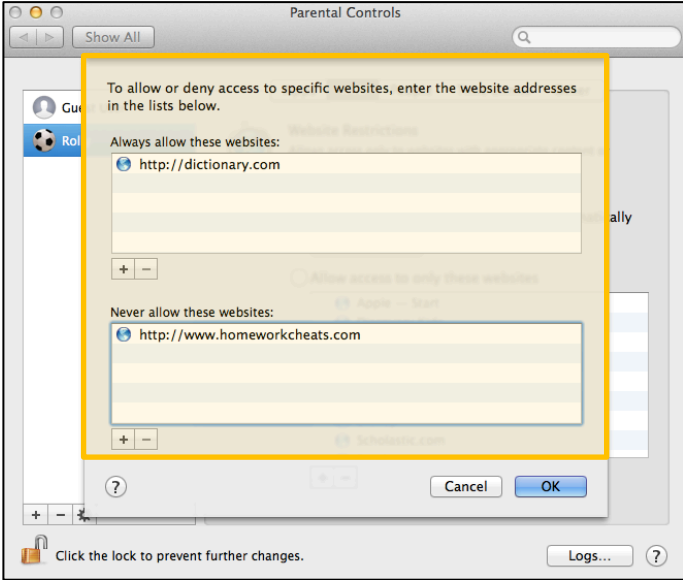
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	Compare these results with the results in Claim 15(c), Example 3-1, 3-2, and 3-3.
Claim 9	
<p>9. The method of claim 1, wherein steps (a)-(d) are all performed by a client computer, step (b) including maintaining the database in storage residing on the client computer.</p>	<p>Apple's Mac OS Products are examples of a client computer. Apple Mac OS Products perform all steps 1(a)-(d). See elements 1(a)-(d) above.</p> <p>For example, Apple's Mac OS Products maintain the database of filtering information in storage residing on the client computer.</p> <p><i>See, e.g.:</i></p>  <p><i>See, e.g.:</i></p>

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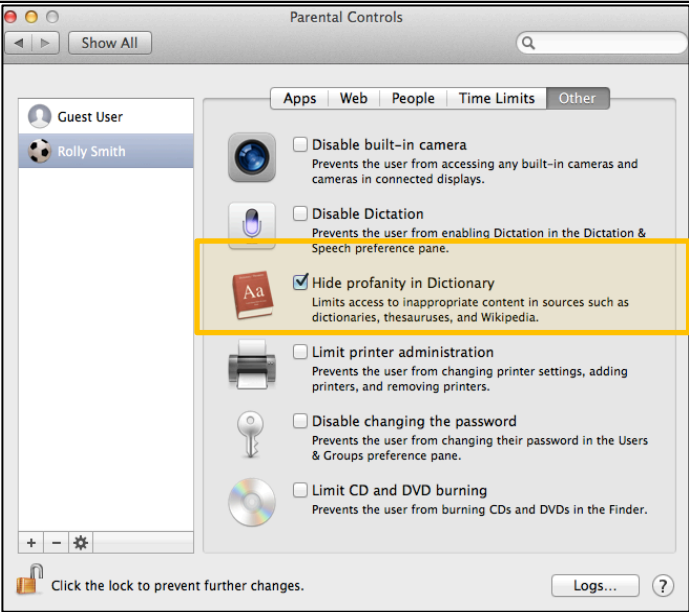
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>See, e.g.:</p></div>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

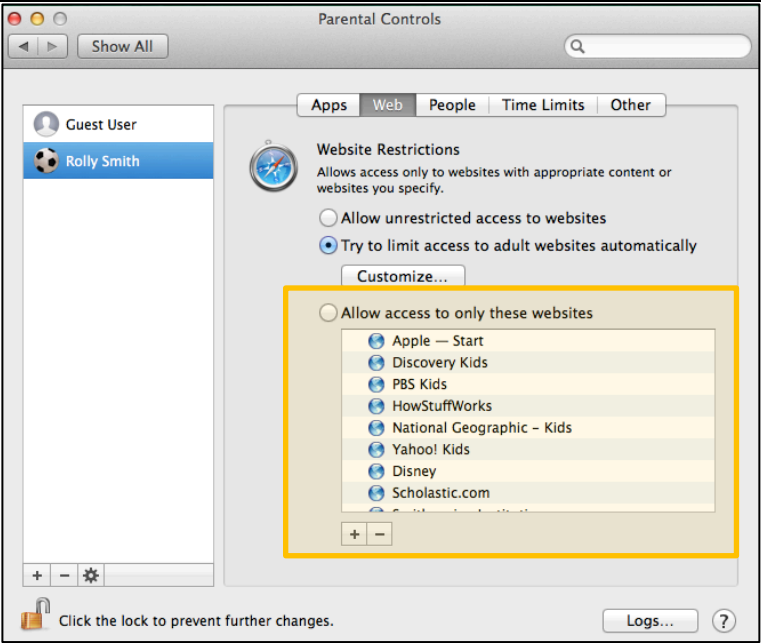
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Web' tab is selected, and the 'Website Restrictions' section is active. Under 'Website Restrictions', the option 'Try to limit access to adult websites automatically' is selected. A 'Customize...' button is visible. Below this, a list of allowed websites is shown, including Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic - Kids, Yahoo! Kids, Disney, and Scholastic.com. The list is enclosed in a yellow box. At the bottom of the window, there is a lock icon and the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p></div> <p>See, e.g.:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

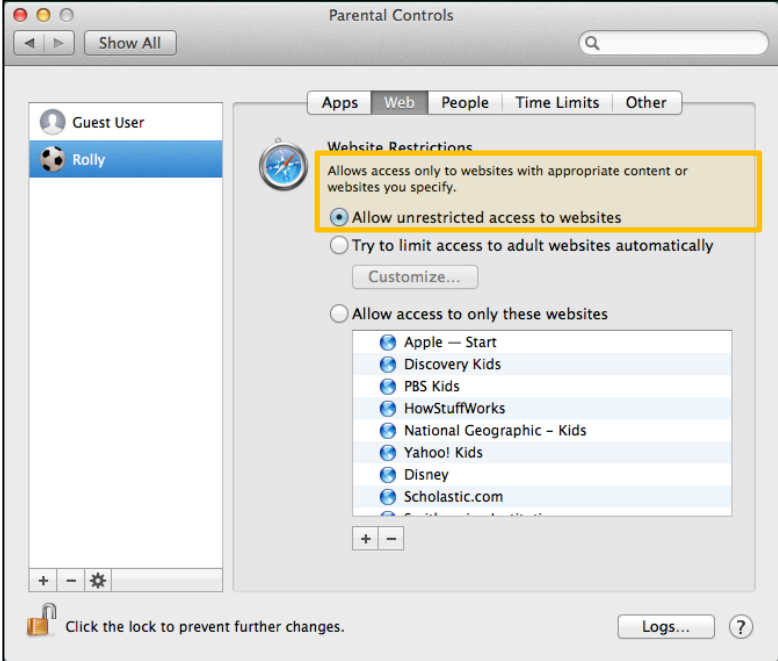
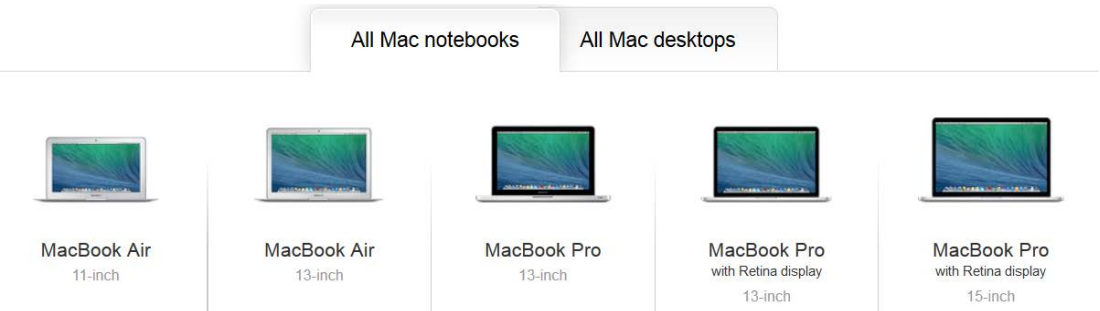
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>For example, Apple's Mac OS Products include memory to store a database of filtering information.</p> <p>See, e.g., http://store.apple.com/us/mac/compare:</p> 

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Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products				
	Specifications				
	1.4GHz dual-core Intel Core i5 or 1.7GHz dual-core Intel Core i7 processor	1.4GHz dual-core Intel Core i5 or 1.7GHz dual-core Intel Core i7 processor	2.5GHz dual-core Intel Core i5 or 2.9GHz dual-core Intel Core i7 processor	2.6GHz or 2.8GHz dual-core Intel Core i5 or 3.0GHz dual-core Intel Core i7 processor	2.2GHz, 2.5GHz, or 2.8GHz quad-core Intel Core i7 processor
	4GB or 8GB memory	4GB or 8GB memory	4GB or 8GB memory	Up to 16GB memory	16GB memory
	Up to 512GB flash storage ²	Up to 512GB flash storage ²	Up to 1TB 5400-rpm hard drive, or up to 512GB solid-state drive ²	Up to 1TB flash storage ²	Up to 1TB flash storage ²
	<p>See, e.g., http://store.apple.com/us/mac/compare:</p>				
	<div> <div>All Mac notebooks</div> <div>All Mac desktops</div> </div>				
	 <p>Mac mini From \$599 Buy now</p>	 <p>21.5-inch iMac From \$1099 Buy now</p>	 <p>27-inch iMac From \$1799 Buy now</p>	 <p>Mac Pro From \$2999 Buy now</p>	
	Up to 16GB memory	Up to 16GB memory	Up to 32GB memory	Up to 64GB memory	
	500GB or 1TB hard drive, 256GB solid-state drive, or 1TB Fusion Drive; Mac mini with OS X Server: two 1TB hard drives or one or two 256GB solid-state drives ¹	500GB hard drive, 1TB hard drive, 1TB Fusion Drive, or up to 512GB flash storage ¹	1TB or 3TB hard drive; 1TB or 3TB Fusion Drive; or up to 1TB flash storage ¹	256GB, 512GB, or 1TB flash storage ¹	

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
Claim 15	
15. A method for filtering messages transmitted over the Internet to prevent or allow access to Internet sites, the method comprising computer-implemented steps of:	<p>The Accused Apple Products include a method for filtering messages transmitted over the Internet to prevent or allow access to Internet Sites.</p> <p>For example, Apple's Mac OS Products include a method for filtering messages transmitted over the Internet to prevent or allow access to Internet sites. The MacBook Air is representative of Apple's Mac OS Products.</p> <p>See, e.g., http://support.apple.com/kb/PH14414, OS X Maverick: Set up parental controls, May 8, 2014:</p> <p>"Using Parental Controls preferences, you can manage, monitor, and control the time your kids spend on the Mac, the websites they visit, and the people they chat with."</p> <p>See, e.g.:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

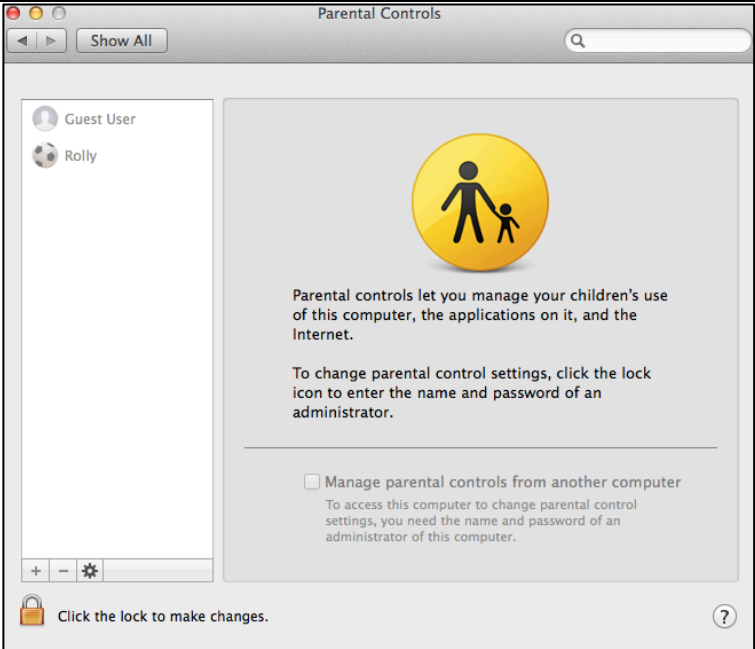
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>“You can use Parental Controls in Mac OS X 10.5 and 10.6 to help prevent user accounts from accessing inappropriate content on Internet websites ... The Internet content filter is built into the core of the operating system, allowing it to filter Internet access regardless of which Web browser is used.”</p> <p>For example, Apple’s Mac OS Products include a processor that performs computer-implemented steps for filtering messages transmitted over the Internet to prevent or allow access to Internet sites. To the extent an Internet site that may be accessed by Apple’s OS Products differs from the claimed Internet site, such a difference would be insubstantial and the Internet site would perform substantially the same function, in substantially the same way, to achieve substantially the same result as the claimed Internet site.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033
















Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products																														
	<p>See, e.g., http://store.apple.com/us/mac/compare:</p> <table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>MacBook Air 11-inch</td><td>MacBook Air 13-inch</td><td>MacBook Pro 13-inch</td><td>MacBook Pro with Retina display 13-inch</td><td>MacBook Pro with Retina display 15-inch</td></tr><tr><td>From \$899</td><td>From \$999</td><td>From \$1099</td><td>From \$1299</td><td>From \$1999</td></tr><tr><td>Buy now</td><td>Buy now</td><td>Buy now</td><td>Buy now</td><td>Buy now</td></tr><tr><td>11.6-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit Retina display</td><td>15.4-inch (diagonal) LED-backlit Retina display</td></tr><tr><td>Up to 1.7GHz dual-core Intel Core i7 processor</td><td>Up to 1.7GHz dual-core Intel Core i7 processor</td><td>Up to 2.9GHz dual-core Intel Core i7 processor</td><td>Up to 3.0GHz dual-core Intel Core i7 processor</td><td>Up to 2.8GHz quad-core Intel Core i7 processor</td></tr></table>						MacBook Air 11-inch	MacBook Air 13-inch	MacBook Pro 13-inch	MacBook Pro with Retina display 13-inch	MacBook Pro with Retina display 15-inch	From \$899	From \$999	From \$1099	From \$1299	From \$1999	Buy now	Buy now	Buy now	Buy now	Buy now	11.6-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit Retina display	15.4-inch (diagonal) LED-backlit Retina display	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 2.9GHz dual-core Intel Core i7 processor	Up to 3.0GHz dual-core Intel Core i7 processor	Up to 2.8GHz quad-core Intel Core i7 processor
																															
MacBook Air 11-inch	MacBook Air 13-inch	MacBook Pro 13-inch	MacBook Pro with Retina display 13-inch	MacBook Pro with Retina display 15-inch																											
From \$899	From \$999	From \$1099	From \$1299	From \$1999																											
Buy now	Buy now	Buy now	Buy now	Buy now																											
11.6-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit Retina display	15.4-inch (diagonal) LED-backlit Retina display																											
Up to 1.7GHz dual-core Intel Core i7 processor	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 2.9GHz dual-core Intel Core i7 processor	Up to 3.0GHz dual-core Intel Core i7 processor	Up to 2.8GHz quad-core Intel Core i7 processor																											
	<p>See, e.g.:</p>																														

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033





Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products			
	All Mac notebooks		All Mac desktops	
				
	Mac mini	21.5-inch iMac	27-inch iMac	Mac Pro
	From \$599	From \$1099	From \$1799	From \$2999
	Buy now	Buy now	Buy now	Buy now
	Sleek aluminum enclosure	All-in-one aluminum and glass enclosure	All-in-one aluminum and glass enclosure	Machined aluminum enclosure
	Dual-core Intel Core i5 or quad-core Intel Core i7	Dual-core Intel Core i5 or quad-core Intel Core i5 or i7	Quad-core Intel Core i5 or i7	Quad-Core or 6-Core Intel Xeon E5
	<p>See, e.g., http://support.apple.com/kb/PH14161:</p> <p>“Use the advanced TCP/IP settings of Network preferences to adjust your TCP/IP settings for the network connection service you’re using.”</p>			

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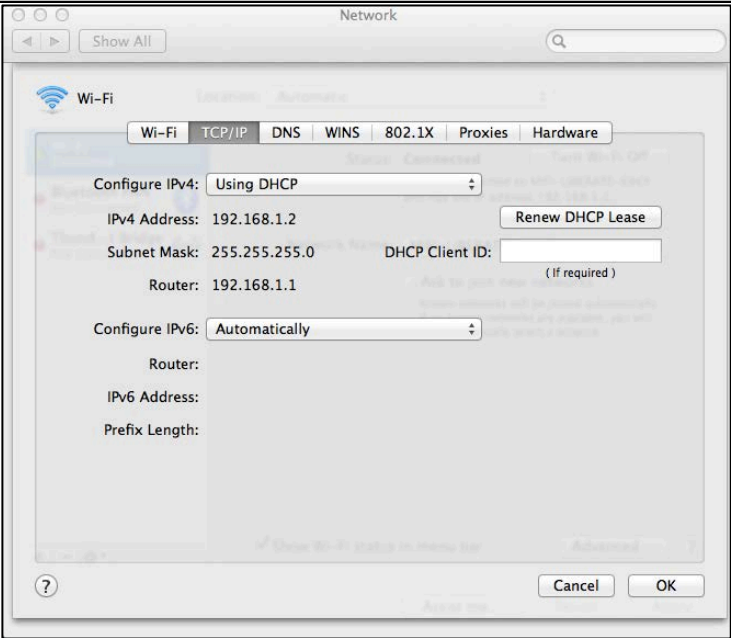
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div></div> <p>For example, Apple’s Mac OS Products support various Internet web browsers, such as the Safari web browser, that can access the World Wide Web using Internet protocols, such as the HTTP protocol.</p> <p>See, e.g., http://www.apple.com/safari/:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033


Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products																		
	<div></div> <p>See, e.g., http://support.apple.com/kb/HT6175:</p> <p>“Learn more about TCP and UDP ports used by Apple products, such as OS X, OS X Server, Apple Remote Desktop, and iCloud. Many of these are referred to as "well known" industry standard ports...</p> <table><tr><th>Port</th><th>TCP or UDP</th><th>Service or Protocol Name</th><th>RFC</th><th>Service Name</th><th>Used by / Additional Information</th></tr><tr><td>80</td><td>TCP</td><td>Hypertext Transfer Protocol (HTTP)</td><td>2616</td><td>http</td><td>World Wide Web, iTunes Store and Radio, . . .</td></tr><tr><td>443</td><td>TCP</td><td>Secure Sockets Layer (SSL, or "HTTPS")</td><td>2818</td><td>https</td><td>iTunes Store</td></tr></table> <p>”</p>	Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store
Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information														
80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .														
443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store														

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
<p>(a) maintaining a database of filtering information comprising a table of filters, said table comprising</p> <p>(1) filters specifying immediate action, and</p> <p>(2) filters specifying deferred action;</p>	<p>See elements 1(b), 1(b)(1), and 1(b)(2) above.</p>
<p>(b) comparing information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action; and</p> <p>(c) determining whether to prevent or allow transmission of the message in response to the comparison.</p>	<p>Apple's Mac OS Products compare information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple's Mac OS Products that can be compared to the filtering information. For example, Apple's Mac OS Parental Controls allow Apple's Mac OS Products to compare information in a message, such as an HTTP message, to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow transmission of the message in response to the comparison, for example, as shown in the examples below. To the extent a message in the Apple Mac OS Products differs from the claimed message, such a difference would be insubstantial and the messages would perform substantially the same function, in substantially the same way, to achieve substantially the same result.</p> <p>Example 1-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

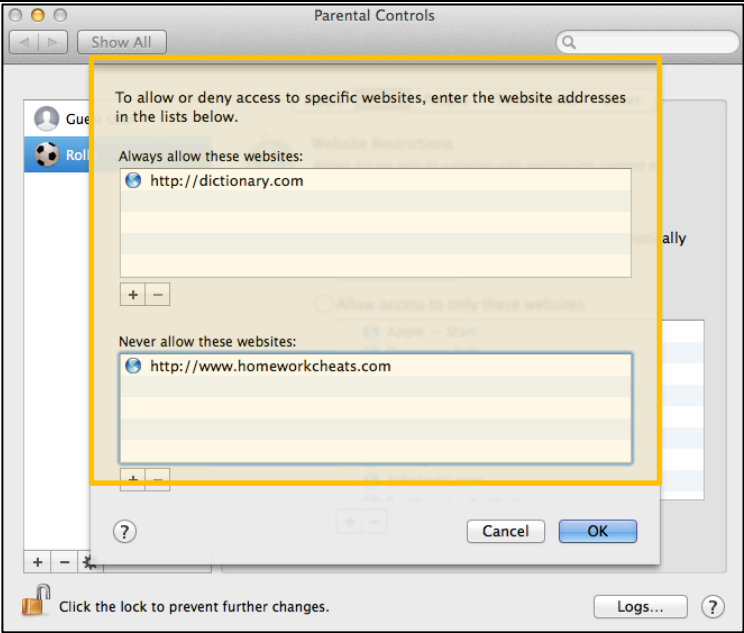
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div data-bbox="695 228 1434 857">A screenshot of the Mac OS Parental Controls window. The window has a title bar with standard Mac OS window controls and a search bar. Below the title bar, there's a sidebar with icons for 'User', 'Role', and 'Website Restrictions'. The 'Website Restrictions' section is selected and highlighted. The main content area shows instructions: 'To allow or deny access to specific websites, enter the website addresses in the lists below.' There are two lists: 'Always allow these websites:' containing 'http://dictionary.com' and 'Never allow these websites:' containing 'http://www.homeworkcheats.com'. At the bottom, there are 'Cancel' and 'OK' buttons, and a 'Logs...' button with a help icon. A lock icon and text 'Click the lock to prevent further changes.' are also visible.</div> <p data-bbox="695 932 1602 963">Example 1-2: Comparing information in the message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

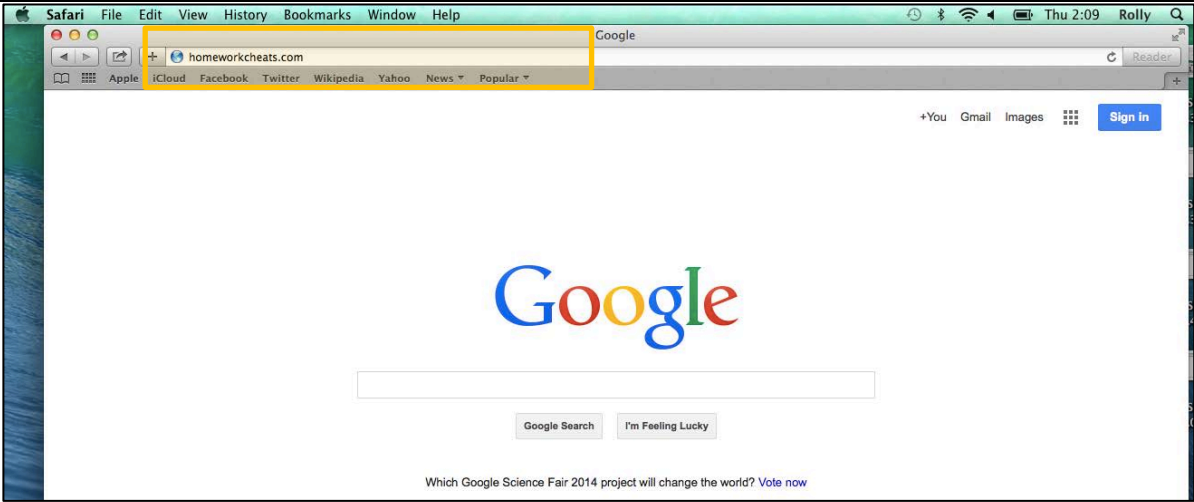
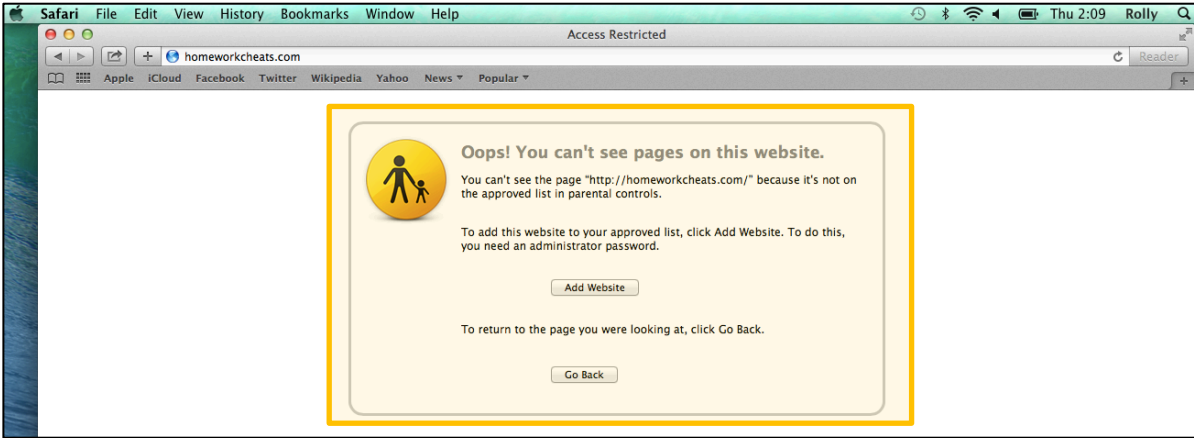
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>Example 1-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p> 

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="695 228 1871 651"></div> <p data-bbox="695 691 1106 724">Example 2-1: Filtering information:</p> <div data-bbox="695 761 1425 1386"></div>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

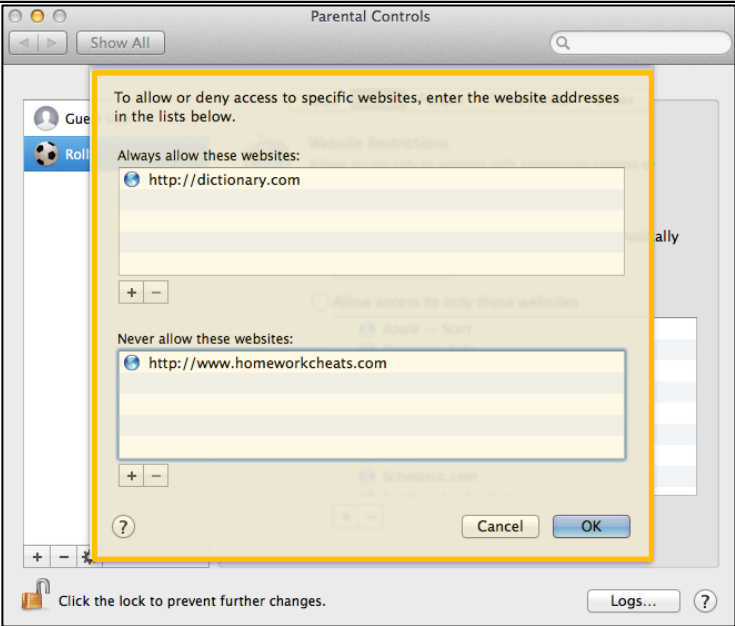
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. A yellow rectangular box highlights the 'Website Restrictions' section. Inside this box, there are two lists of websites. The first list, titled 'Always allow these websites:', contains the URL 'http://dictionary.com'. The second list, titled 'Never allow these websites:', contains the URL 'http://www.homeworkcheats.com'. The window also features a search bar at the top, a 'Show All' button, and a lock icon at the bottom with the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

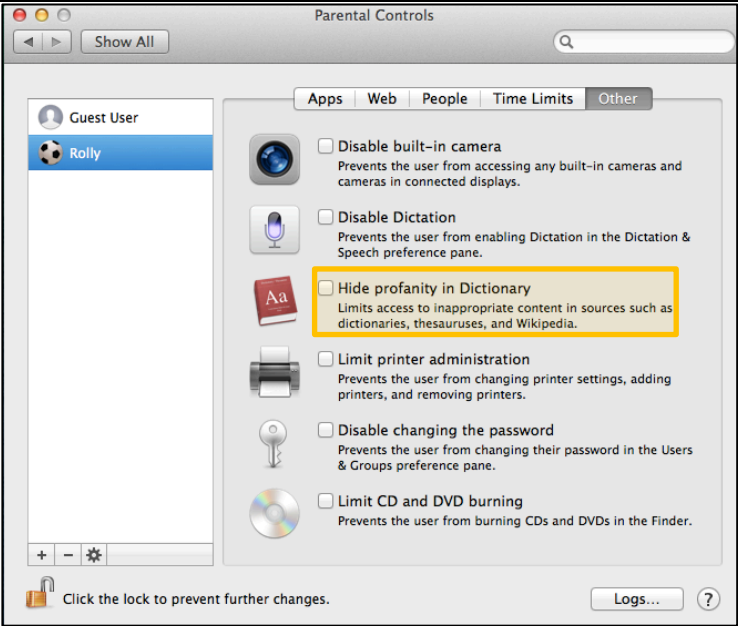
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Other' tab is selected, displaying several settings. The 'Hide profanity in Dictionary' option is highlighted with a yellow box. The settings listed are:</p><ul style="list-style-type: none"><input type="checkbox"/> Disable built-in camera: Prevents the user from accessing any built-in cameras and cameras in connected displays.<input type="checkbox"/> Disable Dictation: Prevents the user from enabling Dictation in the Dictation & Speech preference pane.<input type="checkbox"/> Hide profanity in Dictionary: Limits access to inappropriate content in sources such as dictionaries, thesauruses, and Wikipedia.<input type="checkbox"/> Limit printer administration: Prevents the user from changing printer settings, adding printers, and removing printers.<input type="checkbox"/> Disable changing the password: Prevents the user from changing their password in the Users & Groups preference pane.<input type="checkbox"/> Limit CD and DVD burning: Prevents the user from burning CDs and DVDs in the Finder.<p>At the bottom, there is a lock icon and the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p></div> <p>Example 2-2: Comparing information in the message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

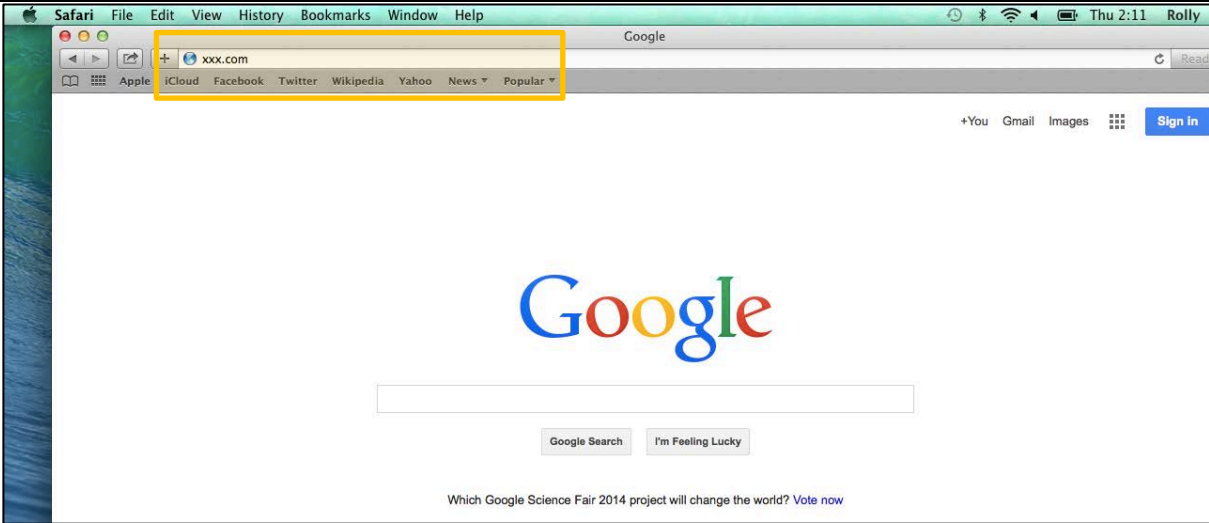
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>“When "Try to limit access to adult websites automatically" is selected, the Internet content filter does its best to block websites with inappropriate content. To do this, the Internet content filter uses the same technology that the Mail application uses to identify "junk" mail. The Internet content filter can identify, with a high degree of accuracy, whether a Web page is safe or not by examining various properties of the website including text and structure.</p> <p>Additionally, the Internet content filter will block a website if the website identifies itself as adult-oriented using RTA (http://www.rtalabel.org/) or SafeSurf (http://www.safesurf.com/ssplan.htm) rating systems, as well as forcing "safe" searches with some search engines.”</p> <p>Example 2-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

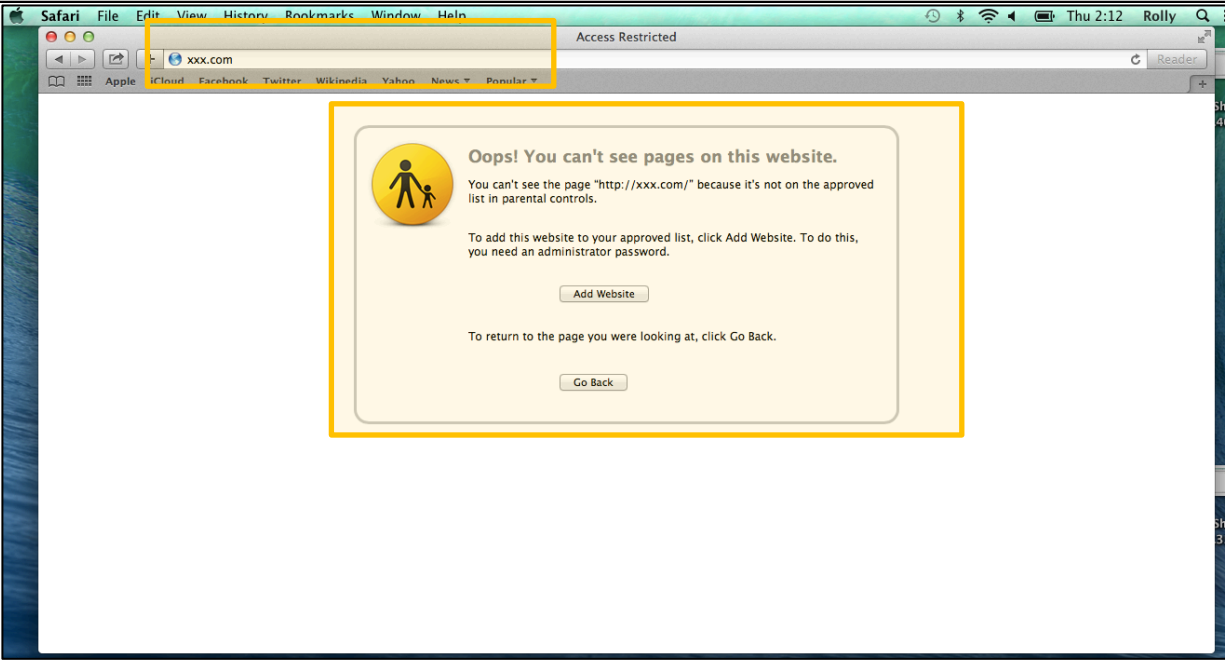
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div data-bbox="695 228 1913 883"></div> <p data-bbox="695 959 1106 992">Example 3-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

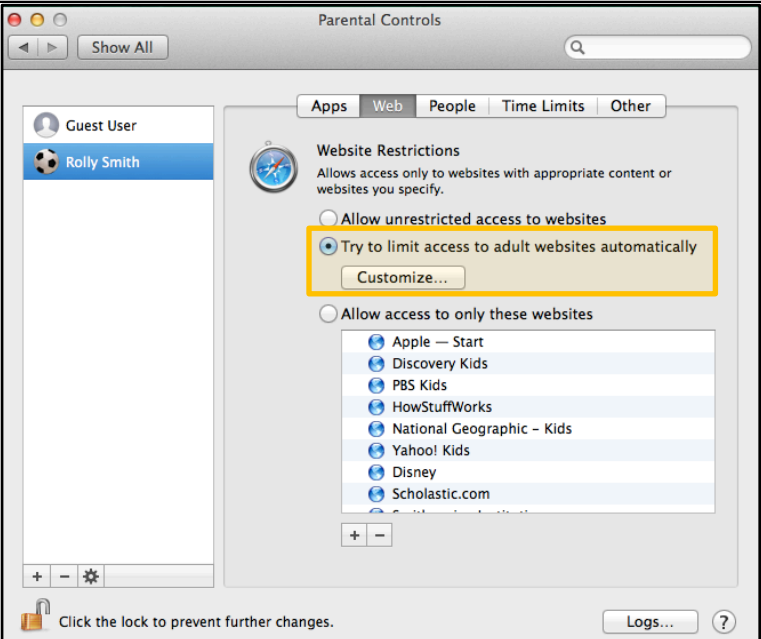
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Website Restrictions' tab is selected. Under the 'Website Restrictions' section, the option 'Try to limit access to adult websites automatically' is selected and highlighted with a yellow box. Below this option is a 'Customize...' button. The 'Allow access to only these websites' section lists several websites: Apple — Start, Discovery Kids, PBS Kids, HowStuffWorks, National Geographic — Kids, Yahoo! Kids, Disney, and Scholastic.com. At the bottom of the window, there is a lock icon and the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

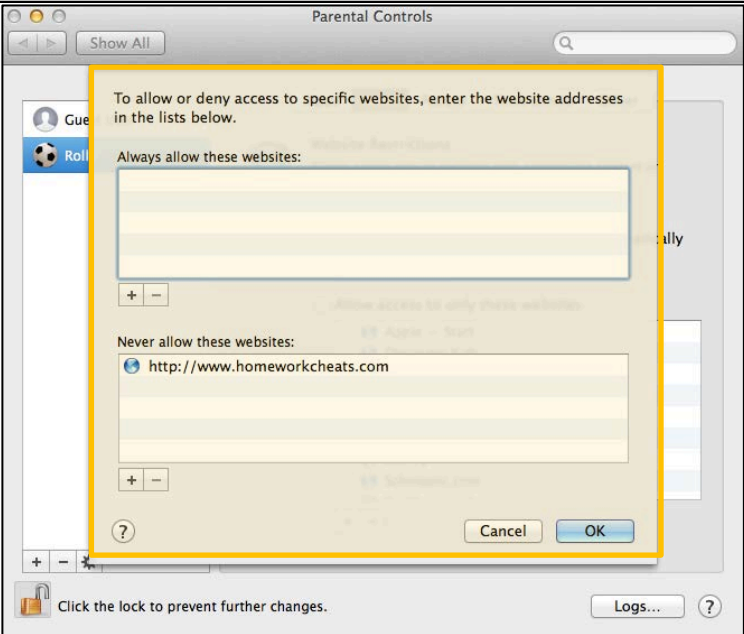
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	 A screenshot of the Mac OS Parental Controls window. The window has a title bar with standard Mac OS window controls and a search bar. Below the title bar, there's a sidebar with icons for 'Guest', 'Roll', and 'Website Restrictions'. The main content area is titled 'Website Restrictions' and contains instructions: 'To allow or deny access to specific websites, enter the website addresses in the lists below.' There are two lists: 'Always allow these websites:' with an empty text field and a '+ -' button below it; and 'Never allow these websites:' with a text field containing 'http://www.homeworkcheats.com' and a '+ -' button below it. At the bottom of the window, there's a lock icon and the text 'Click the lock to prevent further changes.' along with a 'Logs...' button and a help icon. A yellow rectangular box highlights the 'Always allow these websites:' section.

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

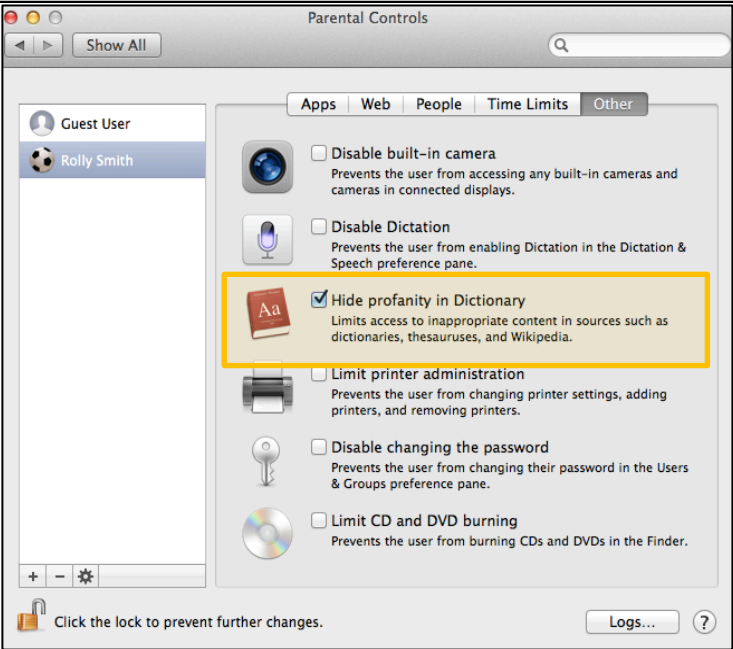
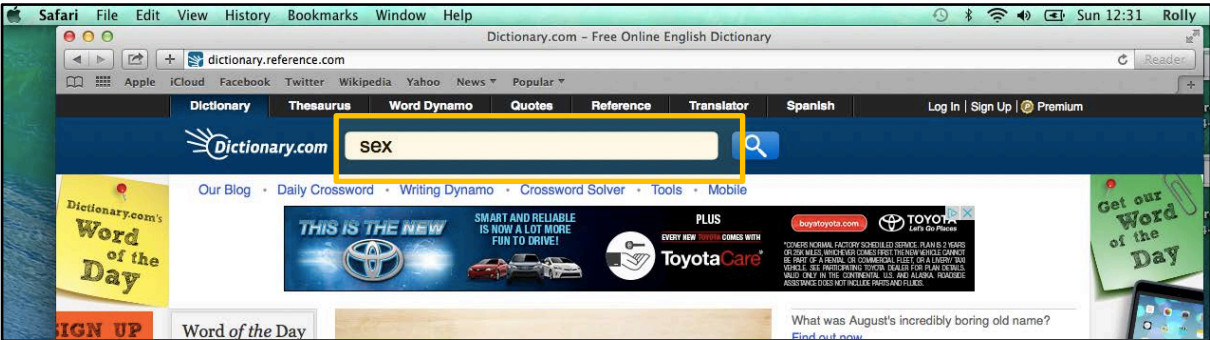
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div></div> <p>Example 3-2: Comparing information in the message to filtering information:</p> <div></div> <p>Example 3-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

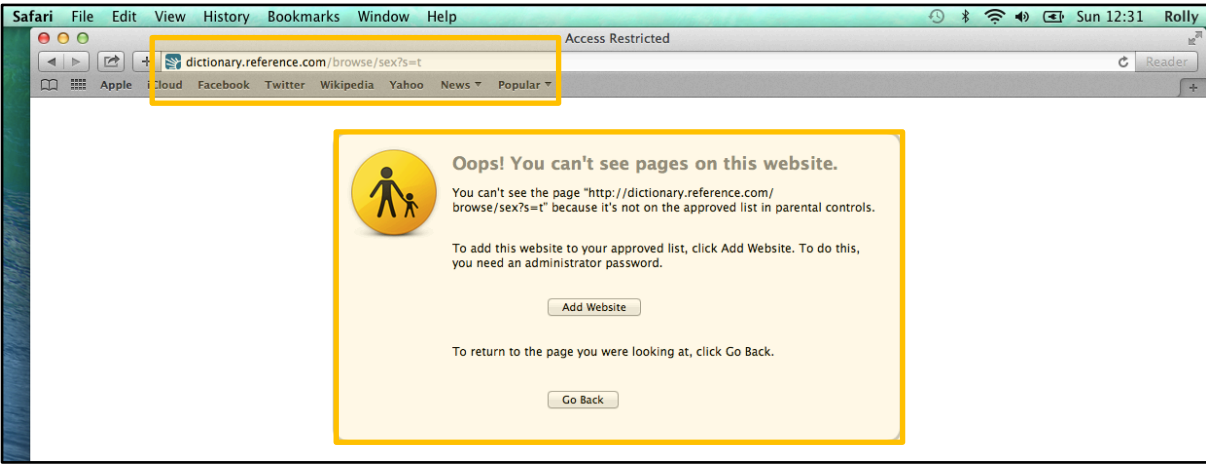
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div></div> <p>Example 4-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

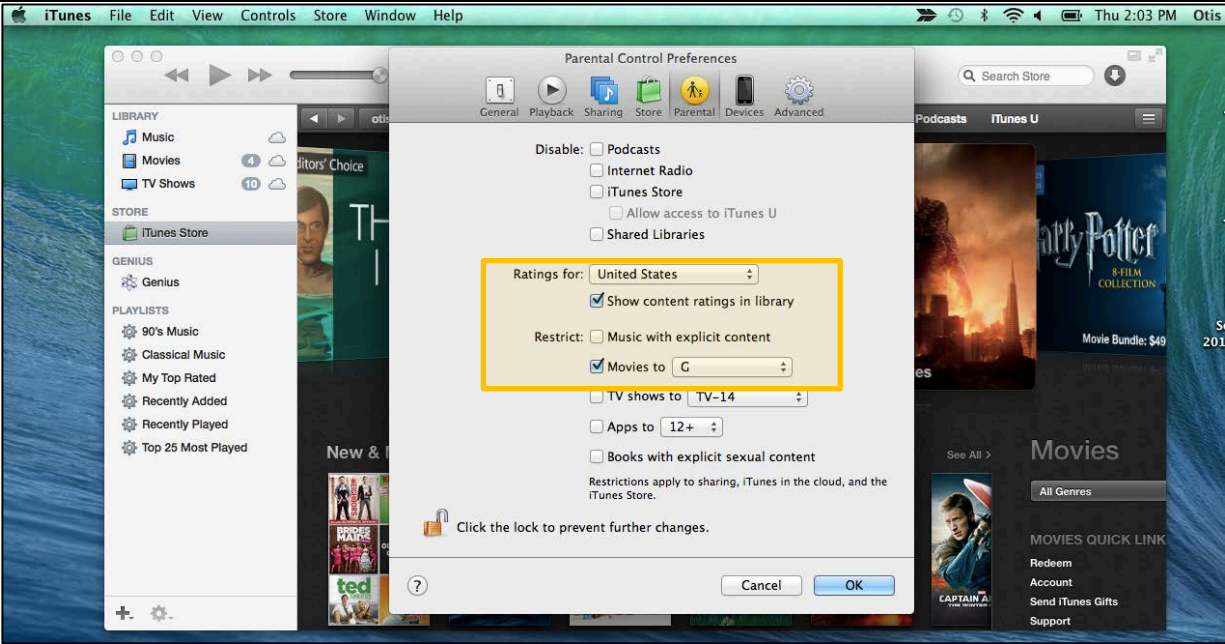
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div data-bbox="695 228 1913 868"></div> <p data-bbox="695 906 1602 938">Example 4-2: Comparing information in the message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

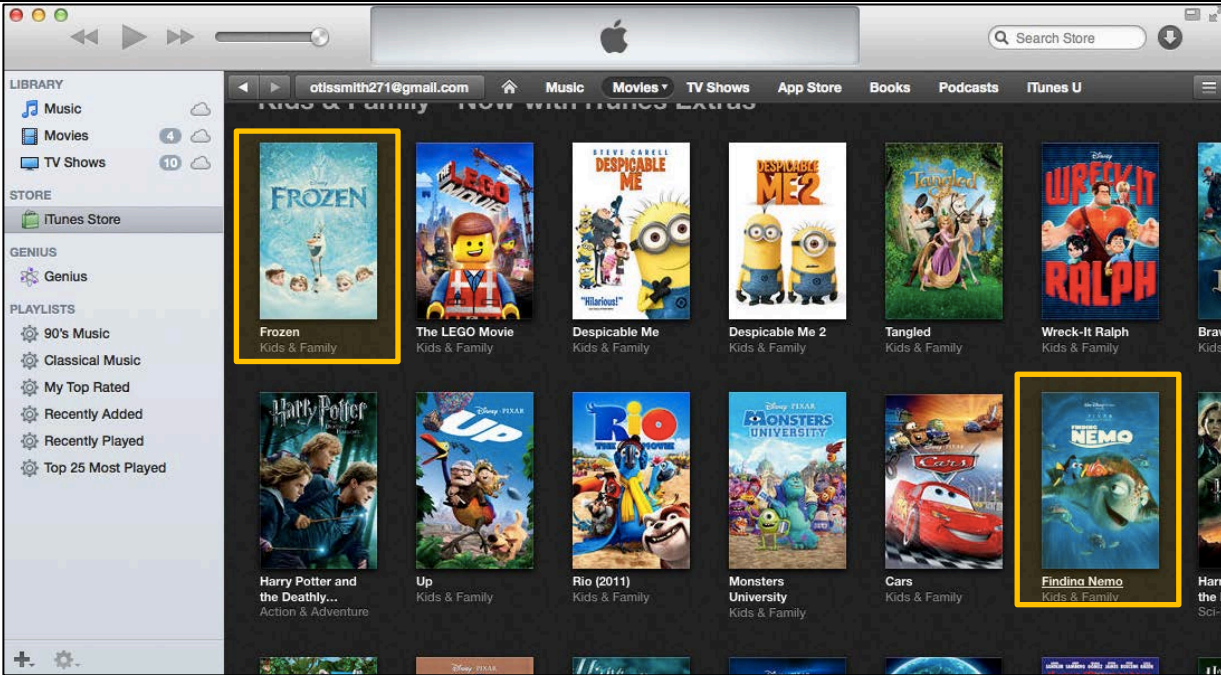
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>Example 4-3: Determining whether to prevent or allow transmission of the message in response to the comparison. In the Frozen example, the transmission of the message to purchase Frozen, which is a PG rated movie, is prevented in response to the comparison of the movie rating filter. In the Finding Nemo example, the transmission of the message to purchase or rent the Finding Nemo, which is a G rated movie, is allowed:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033


Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	
Claim 23	
<p>23. A method for communicating with servers over the Internet to prevent or allow access to Internet sites, the method comprising the computer-implemented steps of:</p>	<p>The Accused Apple Products perform a method for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p>Apple's Mac OS Products communicate in various ways with servers over the Internet. For example, Apple's Mac OS Products can communicate with servers over the Internet through the use of Internet web browsers. For example, Safari is Apple's built-in web browser and is compliant with the HTTP protocol.</p> <p>See, e.g., http://www.apple.com/safari/:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033


Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products																		
	<div></div> <p>See, e.g., Well known TCP and UDP ports used by Apple software products, http://support.apple.com/kb/HT6175</p> <p>“Learn more about TCP and UDP ports used by Apple products, such as OS X, OS X Server, Apple Remote Desktop, and iCloud. Many of these are referred to as "well known" industry standard ports...</p> <table><tr><th>Port</th><th>TCP or UDP</th><th>Service or Protocol Name</th><th>RFC</th><th>Service Name</th><th>Used by / Additional Information</th></tr><tr><td>80</td><td>TCP</td><td>Hypertext Transfer Protocol (HTTP)</td><td>2616</td><td>http</td><td>World Wide Web, iTunes Store and Radio, . . .</td></tr><tr><td>443</td><td>TCP</td><td>Secure Sockets Layer (SSL, or "HTTPS")</td><td>2818</td><td>https</td><td>iTunes Store</td></tr></table>	Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store
Port	TCP or UDP	Service or Protocol Name	RFC	Service Name	Used by / Additional Information														
80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .														
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Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

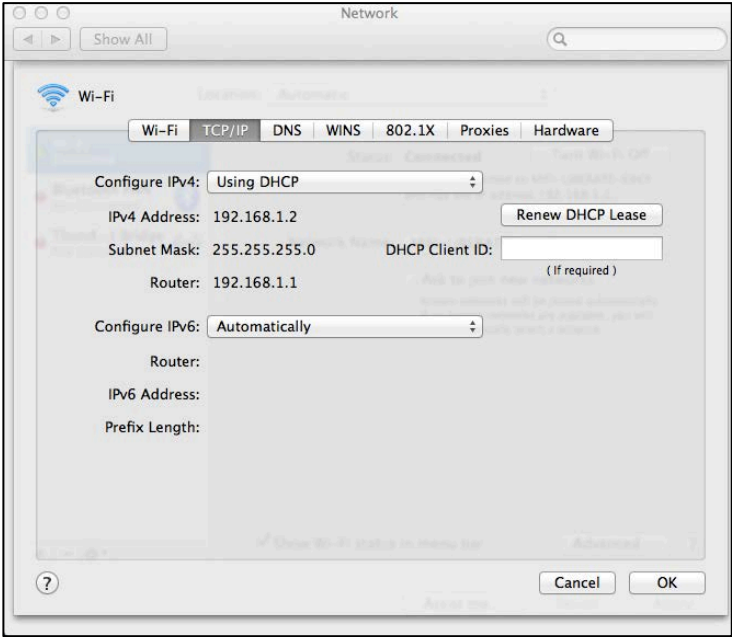
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<p>”</p> <p>See, e.g., http://support.apple.com/kb/PH14161:</p> <p>“Use the advanced TCP/IP settings of Network preferences to adjust your TCP/IP settings for the network connection service you’re using.”</p>  <p>For example, Apple’s Mac OS Products include features, such as Parental Controls, that can prevent or allow access to Internet Sites. To the extent an Internet site that may be accessed by Apple’s OS Products differs from the claimed Internet site, such a difference would be insubstantial and the Internet site would perform substantially the same function, in substantially the same way, to achieve substantially the same result as the claimed Internet site.</p> <p>See, e.g., http://support.apple.com/kb/PH14414, OS X Maverick: Set up parental controls, May 8,</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

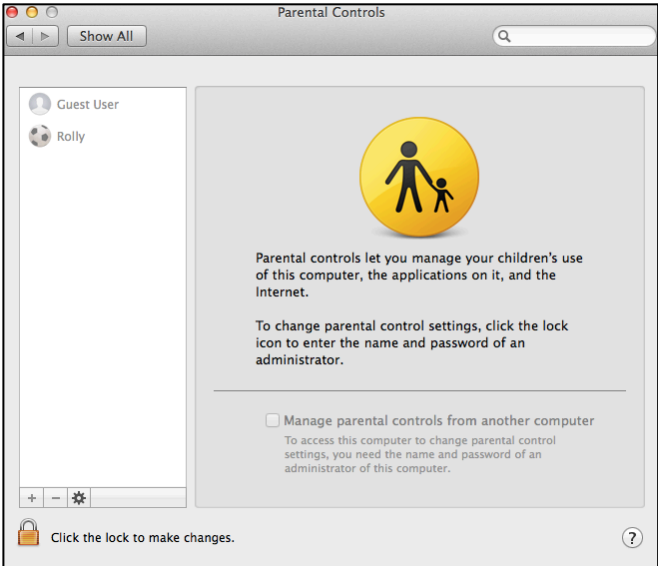
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<p>2014:</p> <p>“Using Parental Controls preferences, you can manage, monitor, and control the time your kids spend on the Mac, the websites they visit, and the people they chat with.”</p> <p><i>See, e.g.:</i></p>  <p><i>See, e.g.,</i> http://support.apple.com/kb/ht2900:</p> <p>“You can use Parental Controls in Mac OS X 10.5 and 10.6 to help prevent user accounts from accessing inappropriate content on Internet websites ... The Internet content filter is built into the core of the operating system, allowing it to filter Internet access regardless of which Web browser is used.”</p> <p>For example, Apple's Mac OS Products include a processor that performs computer-implemented steps for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p><i>See, e.g.,</i> http://store.apple.com/us/mac/compare:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033
















Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products																														
	<table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>MacBook Air 11-inch</td><td>MacBook Air 13-inch</td><td>MacBook Pro 13-inch</td><td>MacBook Pro with Retina display 13-inch</td><td>MacBook Pro with Retina display 15-inch</td></tr><tr><td>From \$899</td><td>From \$999</td><td>From \$1099</td><td>From \$1299</td><td>From \$1999</td></tr><tr><td>Buy now</td><td>Buy now</td><td>Buy now</td><td>Buy now</td><td>Buy now</td></tr><tr><td>11.6-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit display</td><td>13.3-inch (diagonal) LED-backlit Retina display</td><td>15.4-inch (diagonal) LED-backlit Retina display</td></tr><tr><td>Up to 1.7GHz dual-core Intel Core i7 processor</td><td>Up to 1.7GHz dual-core Intel Core i7 processor</td><td>Up to 2.9GHz dual-core Intel Core i7 processor</td><td>Up to 3.0GHz dual-core Intel Core i7 processor</td><td>Up to 2.8GHz quad-core Intel Core i7 processor</td></tr></table>						MacBook Air 11-inch	MacBook Air 13-inch	MacBook Pro 13-inch	MacBook Pro with Retina display 13-inch	MacBook Pro with Retina display 15-inch	From \$899	From \$999	From \$1099	From \$1299	From \$1999	Buy now	Buy now	Buy now	Buy now	Buy now	11.6-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit Retina display	15.4-inch (diagonal) LED-backlit Retina display	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 1.7GHz dual-core Intel Core i7 processor	Up to 2.9GHz dual-core Intel Core i7 processor	Up to 3.0GHz dual-core Intel Core i7 processor	Up to 2.8GHz quad-core Intel Core i7 processor
																															
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Buy now	Buy now	Buy now	Buy now	Buy now																											
11.6-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit display	13.3-inch (diagonal) LED-backlit Retina display	15.4-inch (diagonal) LED-backlit Retina display																											
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(a) opening a data stream to receive a message through an interface from an Internet server;	<p>Apple’s Mac OS Products open a data stream to receive a message through an interface from an Internet server.</p> <p>For example, when a website sends a response to the Apple Mac OS Products, Apple’s Mac OS Products open a data stream, such as a TCP data stream, to receive a message through an interface from an Internet server.</p> <p>See, e.g., Well known TCP and UDP ports used by Apple software products, http://support.apple.com/kb/HT6175:</p> <p>“Learn more about TCP and UDP ports used by Apple products, such as OS X, OS X Server, Apple Remote Desktop, and iCloud. Many of these are referred to as "well known" industry standard ports...</p> <table><tr><th>Port</th><th>TCP or</th><th>Service or Protocol</th><th>RFC</th><th>Service</th><th>Used by /</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Port	TCP or	Service or Protocol	RFC	Service	Used by /																								
Port	TCP or	Service or Protocol	RFC	Service	Used by /																										

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products					
		UDP	Name		Name	Additional Information
	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iTunes Store and Radio, . . .
	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	iTunes Store
	<p>”</p> <p>There are various messages available to Apple's Mac OS Products that can be received through an interface from an Internet server, such as a web server. For example, Apple's Mac OS Products can receive an HTTP message, such as an HTTP Response message.</p>					
<p>(b) maintaining a database of filtering information comprising a table of filters, said table comprising</p> <p>(c) filters specifying immediate action, and</p> <p>(d) filters specifying deferred action;</p>	See elements 1(b), 1(b)(1), and 1(b)(2) above.					

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
(e) comparing information in the message to filtering information in the filters specifying immediate action and filters specifying deferred action and (f) determining whether to prevent or allow the incoming transmission of the message based on the comparison.	<p>Apple's Mac OS Products compare information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple's Mac OS Products that can be compared to the filtering information. For example, Apple's Mac OS Parental Controls allow Apple's Mac OS Products to compare information in an incoming HTTP message, such as an HTTP Response message, to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow the incoming transmission of the message in response to the comparison as shown, for example, in the examples below. To the extent a message in the Apple Mac OS Products differs from the claimed message, such a difference would be insubstantial and the messages would perform substantially the same function, in substantially the same way, to achieve substantially the same result.</p> <p>Example 1-1: Filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

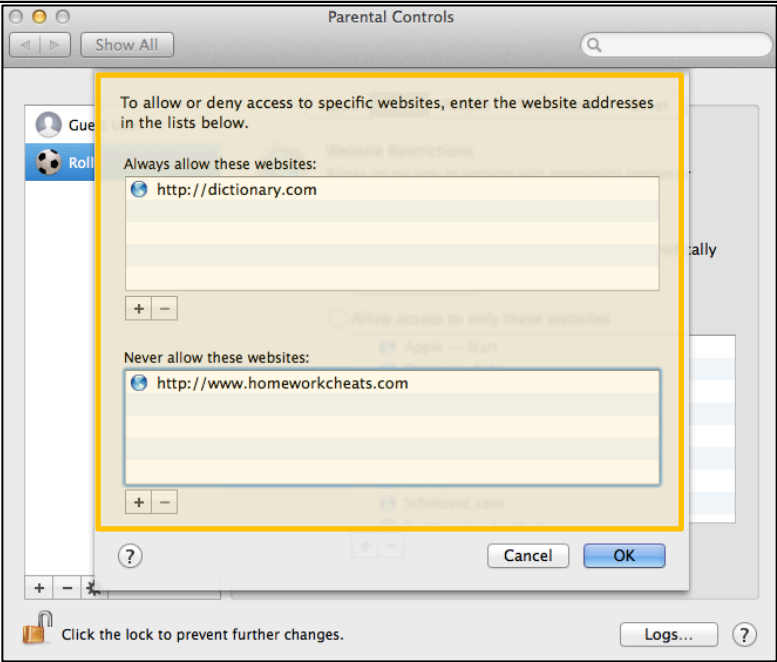
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div data-bbox="695 228 1467 885">A screenshot of the Mac OS Parental Controls window. The window is titled "Parental Controls" and has a "Show All" button at the top left. Below the title bar, there is a search bar. The main content area is divided into two sections: "Always allow these websites:" and "Never allow these websites:". The "Always allow" section contains a list with one entry: "http://dictionary.com". The "Never allow" section contains a list with one entry: "http://www.homeworkcheats.com". At the bottom of the window, there are buttons for "Cancel" and "OK", and a "Logs..." button. A lock icon is visible at the bottom left, with the text "Click the lock to prevent further changes." below it.</div> <p data-bbox="695 959 1717 990">Example 1-2: Comparing information in the incoming message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

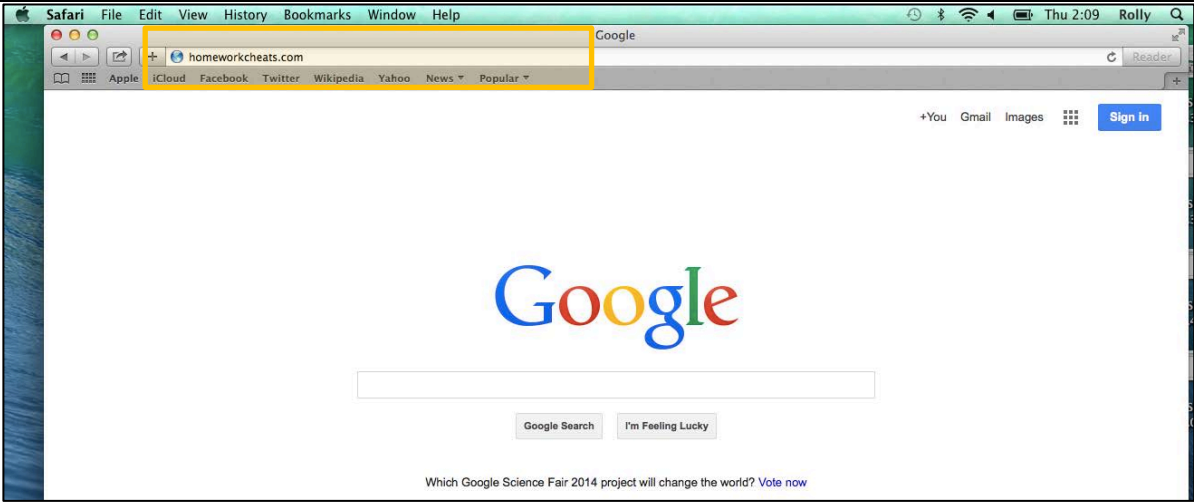
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>Example 1-3: Determining whether to prevent or allow the incoming transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

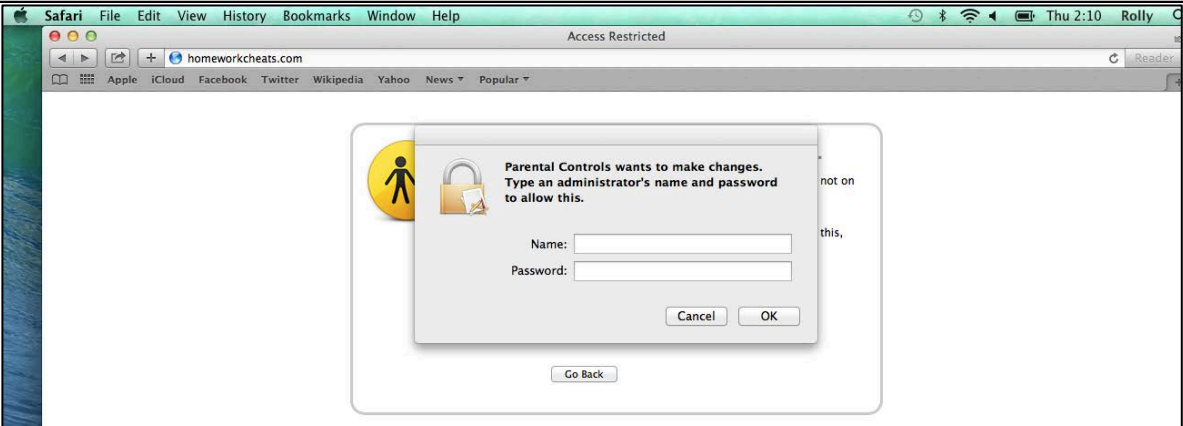
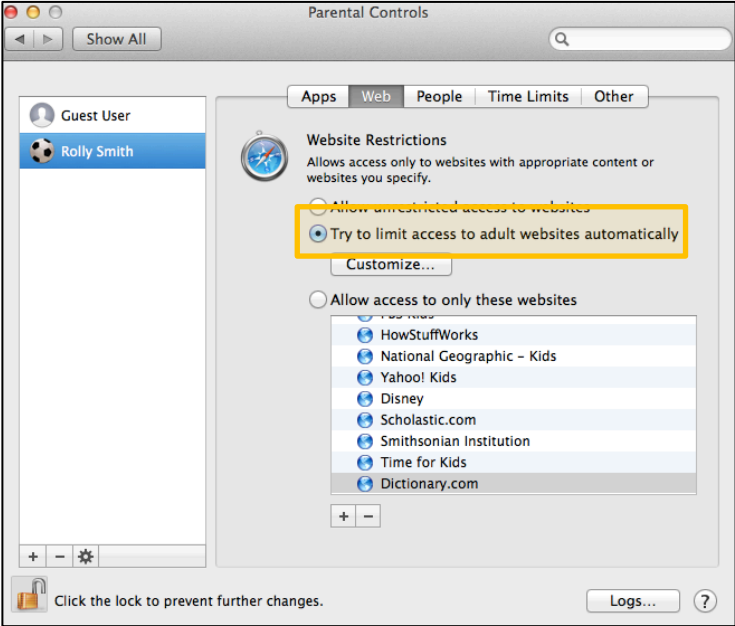
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	<div></div> <p>Example 2-1: Filtering information:</p> <div></div>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

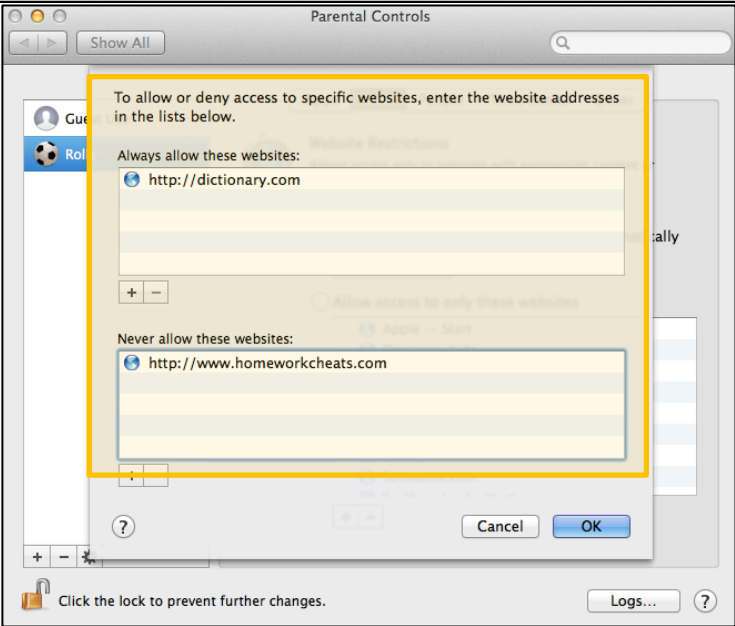
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>The screenshot shows the 'Parental Controls' window in Mac OS. A yellow rectangular box highlights the 'Website Restrictions' section. Inside this section, there are two lists of websites. The first list, titled 'Always allow these websites:', contains the URL 'http://dictionary.com'. The second list, titled 'Never allow these websites:', contains the URL 'http://www.homeworkcheats.com'. The window also features a search bar at the top, a 'Show All' button, and a 'Click the lock to prevent further changes.' message at the bottom. The background of the window shows a sidebar with user icons and a main area with various settings.</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

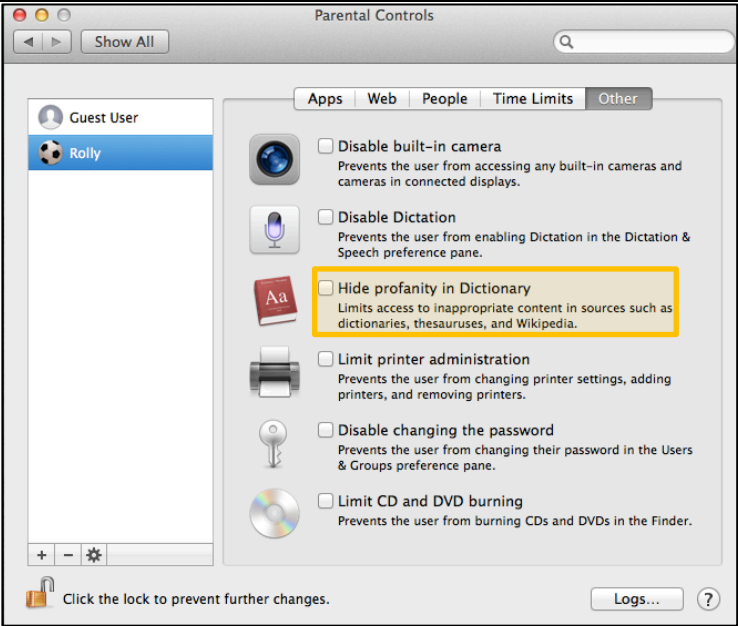
Claim Language	Representative Evidence of Infringement for Apple’s Mac OS Products
	<div><p>The screenshot shows the 'Parental Controls' window in Mac OS. The 'Other' tab is selected, displaying several settings. The 'Hide profanity in Dictionary' option is highlighted with a yellow box. The settings listed are:</p><ul style="list-style-type: none"><input type="checkbox"/> Disable built-in camera: Prevents the user from accessing any built-in cameras and cameras in connected displays.<input type="checkbox"/> Disable Dictation: Prevents the user from enabling Dictation in the Dictation & Speech preference pane.<input type="checkbox"/> Hide profanity in Dictionary: Limits access to inappropriate content in sources such as dictionaries, thesauruses, and Wikipedia.<input type="checkbox"/> Limit printer administration: Prevents the user from changing printer settings, adding printers, and removing printers.<input type="checkbox"/> Disable changing the password: Prevents the user from changing their password in the Users & Groups preference pane.<input type="checkbox"/> Limit CD and DVD burning: Prevents the user from burning CDs and DVDs in the Finder.<p>At the bottom, there is a lock icon and the text 'Click the lock to prevent further changes.' and a 'Logs...' button.</p></div> <p>Example 2-2: Comparing information in the incoming message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

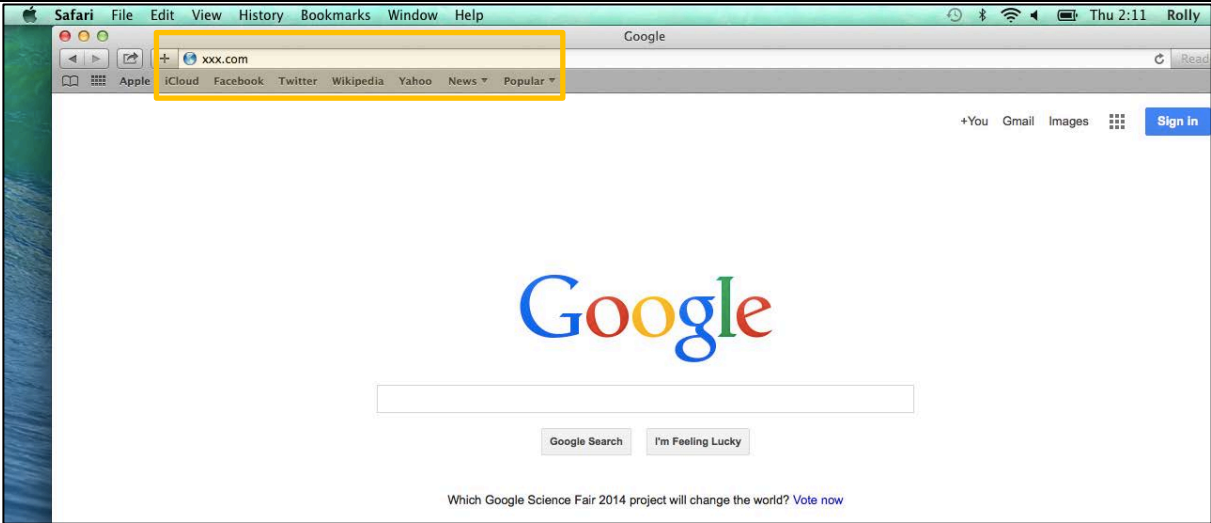
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>See, e.g., http://support.apple.com/kb/ht2900:</p> <p>“When "Try to limit access to adult websites automatically" is selected, the Internet content filter does its best to block websites with inappropriate content. To do this, the Internet content filter uses the same technology that the Mail application uses to identify "junk" mail. The Internet content filter can identify, with a high degree of accuracy, whether a Web page is safe or not by examining various properties of the website including text and structure.</p> <p>Additionally, the Internet content filter will block a website if the website identifies itself as adult-oriented using RTA (http://www.rtalabel.org/) or SafeSurf (http://www.safesurf.com/ssplan.htm) rating systems, as well as forcing "safe" searches with some search engines.”</p> <p>Example 2-3: Determining whether to prevent or allow the incoming transmission of the message in response to the comparison:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

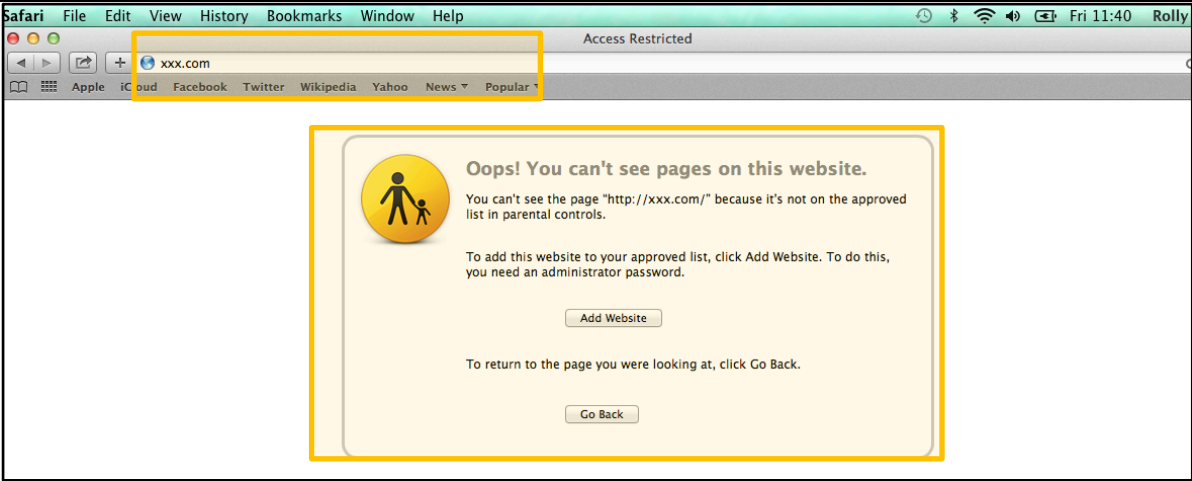
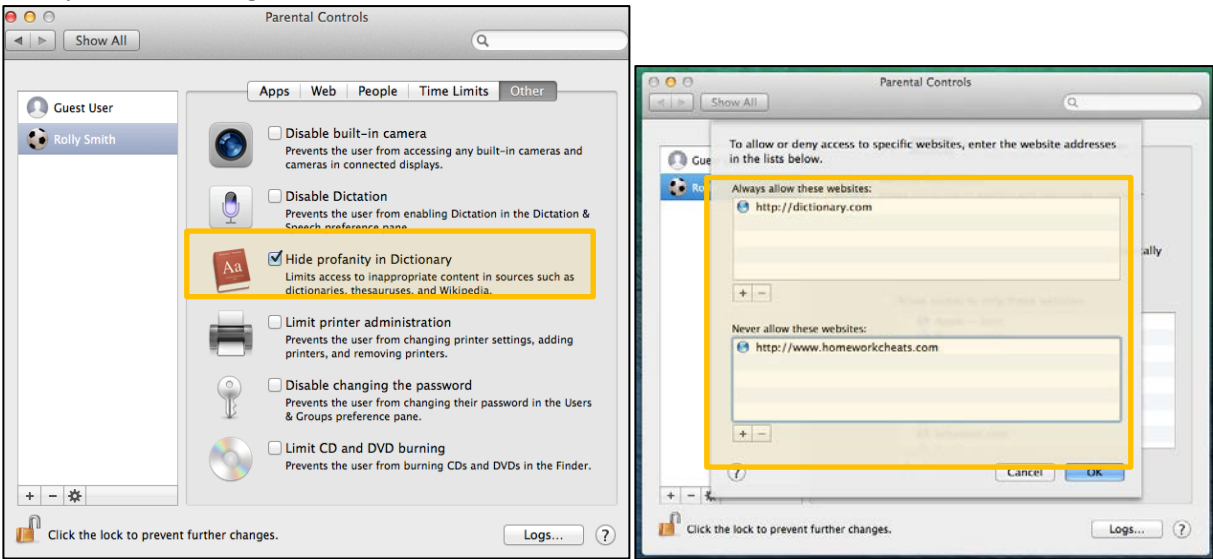
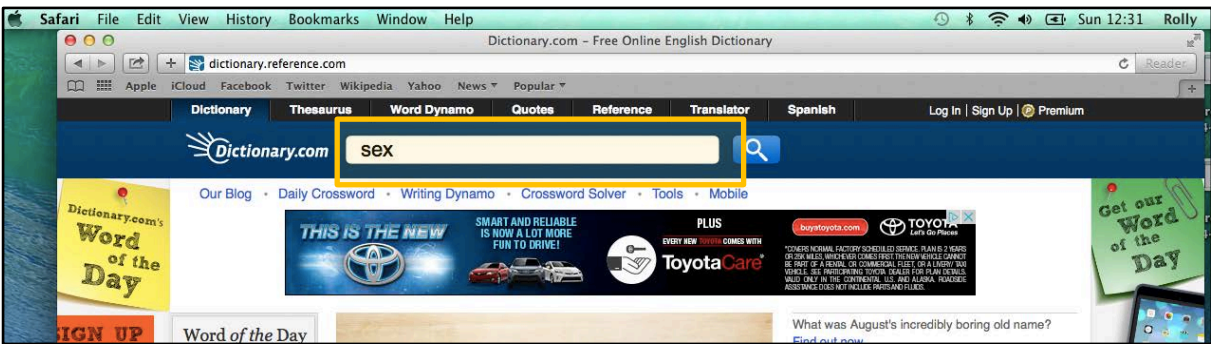
Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>Example 3-1: Filtering information:</p>  <p>Example 3-2: Comparing information in the message to filtering information:</p>

Exhibit D: Preliminary Infringement Contentions for U.S. Patent No. 5,884,033

Claim Language	Representative Evidence of Infringement for Apple's Mac OS Products
	 <p>Example 3-3: Determining whether to prevent or allow transmission of the message in response to the comparison:</p> 