

Exhibit C

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

Claim Language	Representative Evidence of Infringement for Apple TV
Claim 1	
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>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 TV communicates in various ways with servers over the Internet. For example, Apple TV can communicate with servers over the Internet through the use of Internet protocols such as the HTTP and TCP protocols.</p> <p>See, e.g., http://support.apple.com/kb/HT2463:</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 Apple TV 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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	<div data-bbox="709 280 1837 321"> <h3>Apple TV: TCP and UDP ports and protocols used Languages English</h3> </div> <div data-bbox="709 339 1709 396"> <p>Networked devices, such as your Mac, PC, and Apple TV, communicate with each other using specific communication channels known as TCP and UDP ports. Learn about the ports used by Apple TV.</p> </div> <div data-bbox="709 459 1499 485"> <p>These network ports are used by Apple TV for communications on your network.</p> </div> <div data-bbox="728 516 1797 730"> <ul style="list-style-type: none"> ■ TCP port 123 is used to communicate with a network time server. ■ TCP port 3689 is used to communicate with iTunes while using the iTunes Library Sharing feature. ■ UDP port 5353 is used by Apple TV for automatically finding computers with iTunes on your network using Bonjour. ■ TCP port 80 is used for communicating with podcast servers. ■ TCP port 80 and 443 are used for basic and secure communications with the iTunes Store via the Internet. ■ TCP port 53 is used for regular DNS. </div> <div data-bbox="709 747 1803 834"> <p>These are well-known ports used by Apple products, like iTunes. If you can use all the features of iTunes, these ports are likely already open on your firewall or NAT router. Note: These ports may also used by other services such as YouTube and Flickr.</p> </div> <div data-bbox="684 863 1262 896"> <p>See, e.g., http://support.apple.com/kb/HT6175:</p> </div> <div data-bbox="709 959 1688 1032"> <h3>Well known TCP and UDP ports used by Apple software products Languages English</h3> </div> <div data-bbox="709 1049 1665 1099"> <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> </div> <div data-bbox="709 1148 978 1172"> <p>Ports used by Apple products</p> </div> <div data-bbox="709 1172 1669 1248"> <p>The table below outlines TCP and UDP ports used by Apple products. Your network administrator may need this information to make sure your computer or device can connect to services such as automatic software updates, or the App Store. For an explanation of what a TCP or UDP port is, see the "IP Ports" section of "OS X: What Is a Port?"</p> </div>

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	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, iCloud, QuickTime Installer, iTunes Store and Radio, OS X Software Update (OS X Lion and earlier), Mac App Store, RAID Admin, Backup, iCal calendar publishing, WebDAV, Final Cut Server, AirPlay, OS X Internet Recovery, Profile Manager, Xcode Server (Xcode app, hosted and remote Git HTTP, remote SVN HTTP).
	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	TLS websites, iTunes Store, OS X Software Update (Mountain Lion and later), Mac App Store, FaceTime, Game Center, iCloud authentication and DAV Services (Contacts, Calendars, and Bookmarks), iCloud backup and applications (Calendars, Contacts, Find My iPhone/Find My Friends, Mail, Documents & Photo Stream), iCloud Key Value Store (KVS), iPhoto Journals, AirPlay, OS X Internet Recovery, Profile Manager, Back to My Mac, Dictation, Xcode Server (hosted and remote Git HTTPS, remote SVN HTTPS, Apple Developer registration).
See, e.g., http://support.apple.com/kb/SP648 :						

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	<p>System Requirements</p> <ul style="list-style-type: none">■ Wi-Fi (802.11a, b, g, or n) wireless network (wireless video streaming requires 802.11a, g, or n) or 10/100BASE-T Ethernet network <p>For example, Apple TV includes features, such as Restrictions, that can prevent or allow access to Internet sites. To the extent an Internet site that may be accessed by Apple TV 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/HT200198?viewlocale=en_US:</p> <p>“You can turn on Restrictions, also known as parental controls, on Apple TV with a few simple steps. Restrictions stop you from using specific features and services on the device . . . You can turn on and adjust Restrictions on Apple TV to prevent access to specific features or content on the device.”</p> <p>For example, Apple TV includes a processor that performs computer-implemented steps for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p>See, e.g., http://support.apple.com/kb/SP648:</p>

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	 <ul style="list-style-type: none"> ■ Height: 0.9 inch (23 mm) ■ Width: 3.9 inches (98 mm) ■ Depth: 3.9 inches (98 mm) ■ Weight: 0.6 pound¹ <p>In the Box</p> <ul style="list-style-type: none"> ■ Apple TV ■ Apple Remote ■ Power cord ■ Documentation <p>Processor</p> <ul style="list-style-type: none"> ■ Apple single-core A5 chip
<p>(a) opening a data stream to send a message through an interface to an Internet server;</p>	<p>Apple TV opens a data stream to send a message through an interface to an Internet server.</p> <p>Apple TV can send various messages through an interface through to an Internet server. For example, Apple TV can send an HTTP message, such as an HTTP Request. When a user selects an icon or a video, Apple TV opens 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., http://support.apple.com/kb/HT2463:</p>

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	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	TLS websites, iTunes Store, OS X Software Update (Mountain Lion and later), Mac App Store, FaceTime, Game Center, iCloud authentication and DAV Services (Contacts, Calendars, and Bookmarks), iCloud backup and applications (Calendars, Contacts, Find My iPhone/Find My Friends, Mail, Documents & Photo Stream), iCloud Key Value Store (KVS), iPhoto Journals, AirPlay, OS X Internet Recovery, Profile Manager, Back to My Mac, Dictation, Xcode Server (hosted and remote Git HTTPS, remote SVN HTTPS, Apple Developer registration).
(b) maintaining a database of filtering information comprising a table of filters, said table comprising	<p>Apple TV maintains a database of filtering information comprising a table of filters.</p> <p>For example, Apple TV includes a database of filtering information comprising a table of filters as shown below.</p>					

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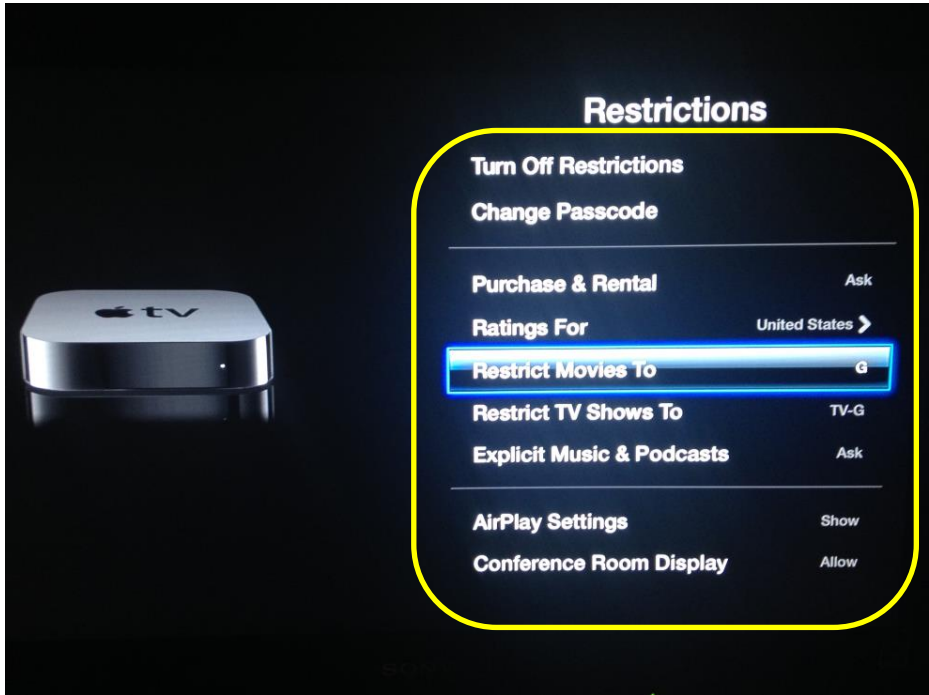
Claim Language	Representative Evidence of Infringement for Apple TV
	<p>See, e.g.:</p>  <p>See, e.g.:</p>

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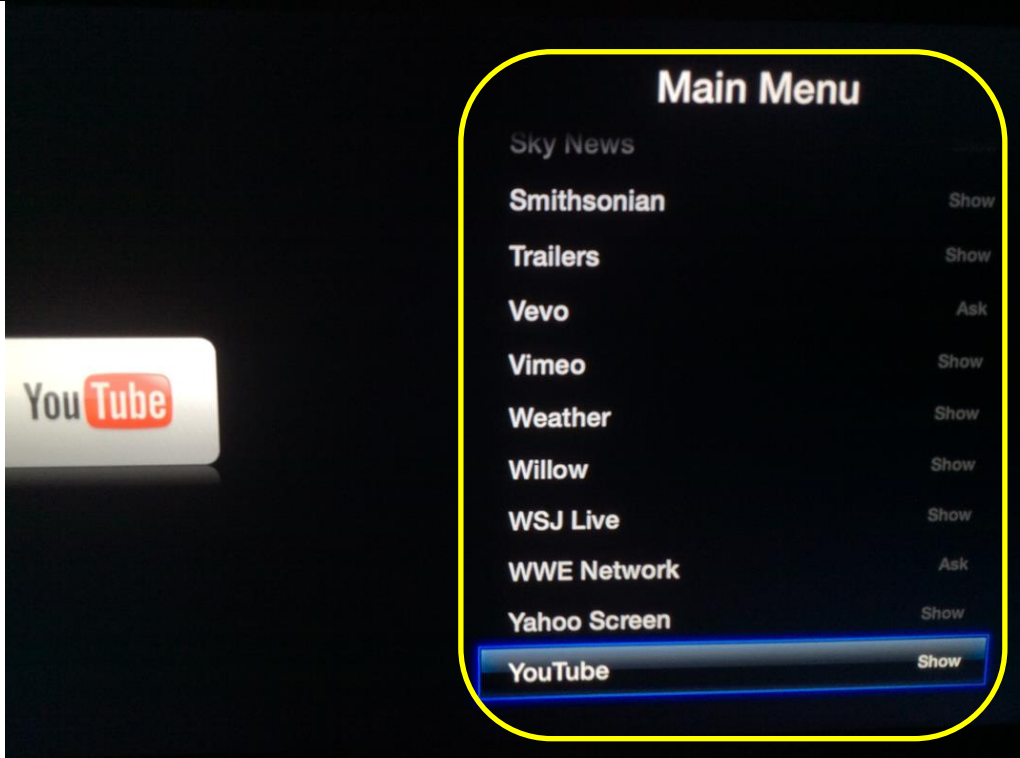
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(1) filters specifying immediate action, and	<p>Apple TV includes filters specifying immediate action.</p> <p>For example, Apple TV includes filters specifying immediate action as shown below.</p> <p><i>See, e.g.:</i></p>

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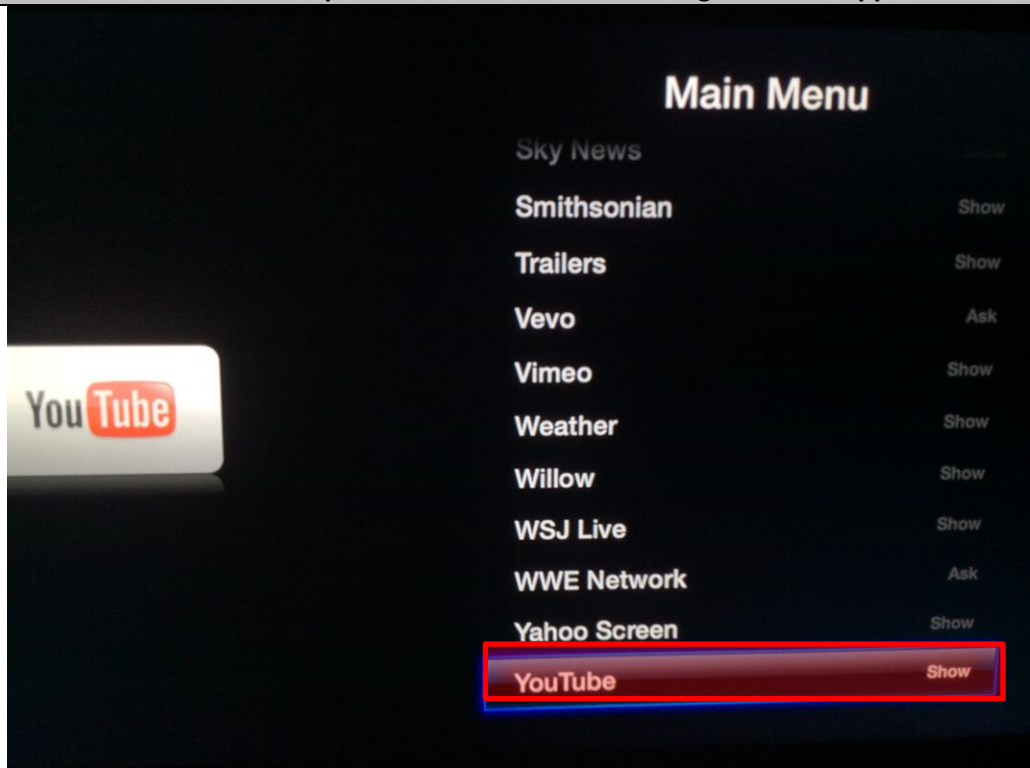
Claim Language	Representative Evidence of Infringement for Apple TV
	 <p>The screenshot shows the 'Main Menu' of an Apple TV interface. On the left is a large, glowing YouTube logo. To the right is a list of streaming services, each with a corresponding action button: Sky News (Show), Smithsonian (Show), Trailers (Show), Vevo (Ask), Vimeo (Show), Weather (Show), Willow (Show), WSJ Live (Show), WWE Network (Ask), and Yahoo Screen (Show). At the bottom of this list, the 'YouTube' option is highlighted with a red rectangular box, and its 'Show' button is also highlighted.</p>
	<p>See, e.g.:</p>

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	 <p>See, e.g., http://support.apple.com/kb/HT200198?viewlocale=en_US:</p> <p>“Show or Allow: You don't need a passcode to use the service, and there aren't any restrictions.”</p>
(2) filters specifying deferred action;	<p>Apple TV includes filters specifying deferred action.</p> <p>For example, Apple TV includes filters specifying deferred action as shown below.</p> <p>See, e.g.:</p>

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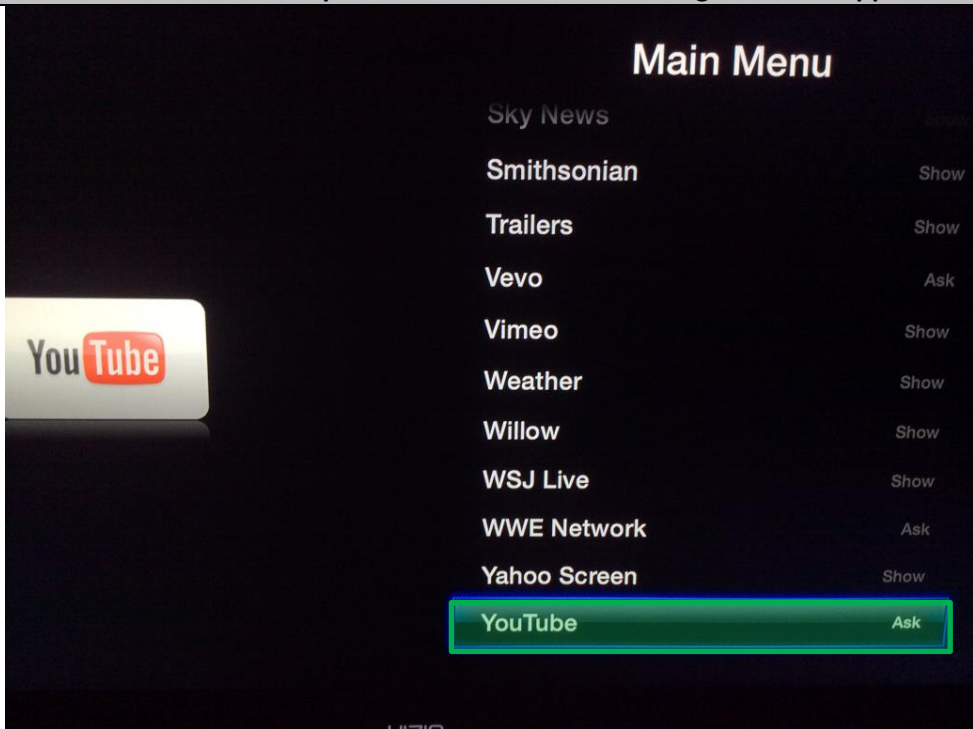
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	<div><p>The screenshot displays the 'Main Menu' of an Apple TV interface. On the left, there is a large, glowing 'YouTube' button. To the right, a list of services is shown, each with a corresponding action button: Sky News (Show), Smithsonian (Show), Trailers (Show), Vevo (Ask), Vimeo (Show), Weather (Show), Willow (Show), WSJ Live (Show), WWE Network (Ask), Yahoo Screen (Show), and YouTube (Ask). The 'YouTube' option at the bottom is highlighted with a green border.</p><table border="1"><thead><tr><th>Service</th><th>Action</th></tr></thead><tbody><tr><td>Sky News</td><td>Show</td></tr><tr><td>Smithsonian</td><td>Show</td></tr><tr><td>Trailers</td><td>Show</td></tr><tr><td>Vevo</td><td>Ask</td></tr><tr><td>Vimeo</td><td>Show</td></tr><tr><td>Weather</td><td>Show</td></tr><tr><td>Willow</td><td>Show</td></tr><tr><td>WSJ Live</td><td>Show</td></tr><tr><td>WWE Network</td><td>Ask</td></tr><tr><td>Yahoo Screen</td><td>Show</td></tr><tr><td>YouTube</td><td>Ask</td></tr></tbody></table></div> <p>See, e.g.:</p>	Service	Action	Sky News	Show	Smithsonian	Show	Trailers	Show	Vevo	Ask	Vimeo	Show	Weather	Show	Willow	Show	WSJ Live	Show	WWE Network	Ask	Yahoo Screen	Show	YouTube	Ask
Service	Action																								
Sky News	Show																								
Smithsonian	Show																								
Trailers	Show																								
Vevo	Ask																								
Vimeo	Show																								
Weather	Show																								
Willow	Show																								
WSJ Live	Show																								
WWE Network	Ask																								
Yahoo Screen	Show																								
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	 <p>See, e.g., http://support.apple.com/kb/HT200198?viewlocale=en_US:</p> <p>“Ask: You must enter the four-digit passcode before using the service or making a purchase or rental transaction.”</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>Apple TV compares information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determines whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple TV that can be compared to the filtering information. For example, Apple TV’s Restrictions allow Apple TV to compare information in an outgoing HTTP</p>

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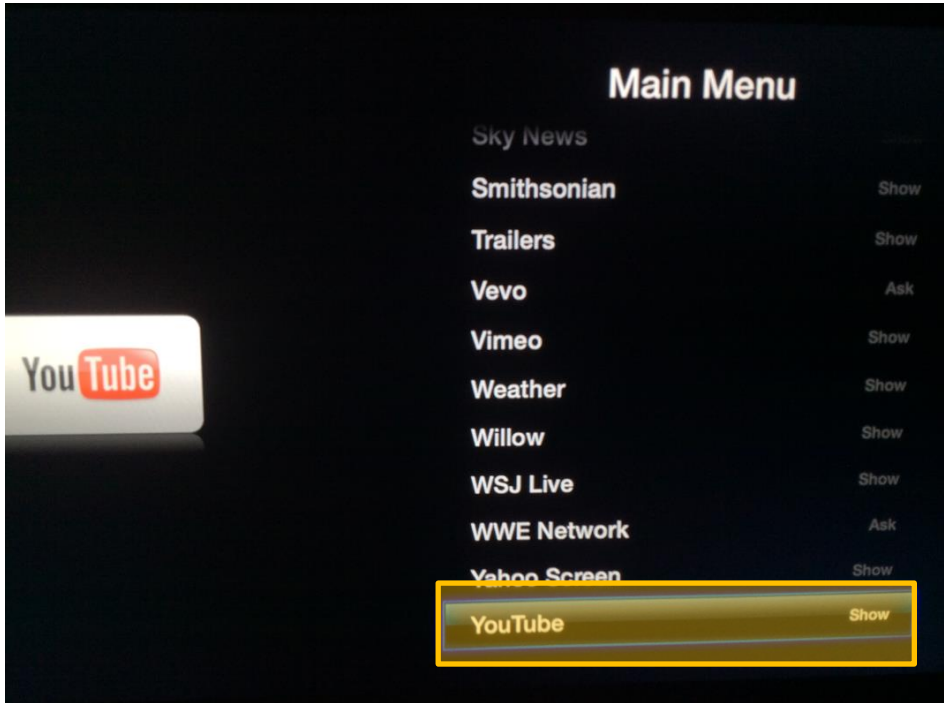
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<p>(d) determining whether to prevent or allow the outgoing transmission of the message based on the comparison.</p>	<p>message, such as an HTTP Request (e.g., HTTP GET) message, to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determine whether to prevent or allow the outgoing transmission of the message in response to the comparison as shown, for example, in the examples below. To the extent a message in Apple TV 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>  <p>Example 1-2: Comparing information in the message to filtering information:</p>

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	 <p>The screenshot displays a grid of application icons on a dark background. The icons are arranged in four rows and five columns. The first row includes Movies, TV Shows, Music, iTunes Radio, and Computers. The second row includes iMovie Theater, Podcasts, Vevo, Vimeo, and Yahoo! Screen. The third row includes YouTube (highlighted with a yellow border), KORTV, WWE Network, ACC Sports, and Red Bull TV. The fourth row includes NBA, NHL, Qello Concerts, Crunchyroll, and Radio.</p> <p>Example 1-3: Determining whether to prevent or allow the outgoing transmission of the message in response to the comparison. In this example, the user is allowed access to YouTube while the filter is on “Show” as shown below.</p> <p><i>See, e.g.:</i></p>

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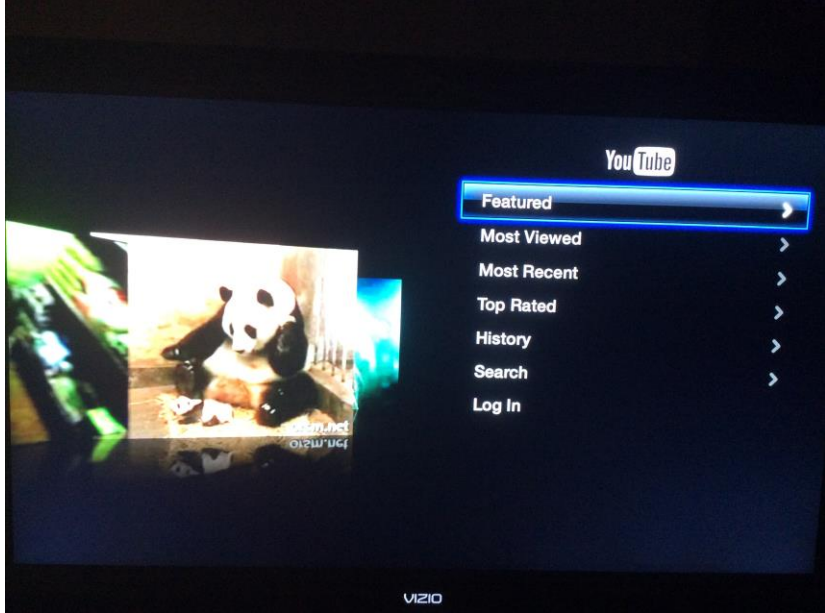
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	<div data-bbox="690 245 1509 854"></div> <p data-bbox="690 889 1108 922">Example 2-1: Filtering information:</p>

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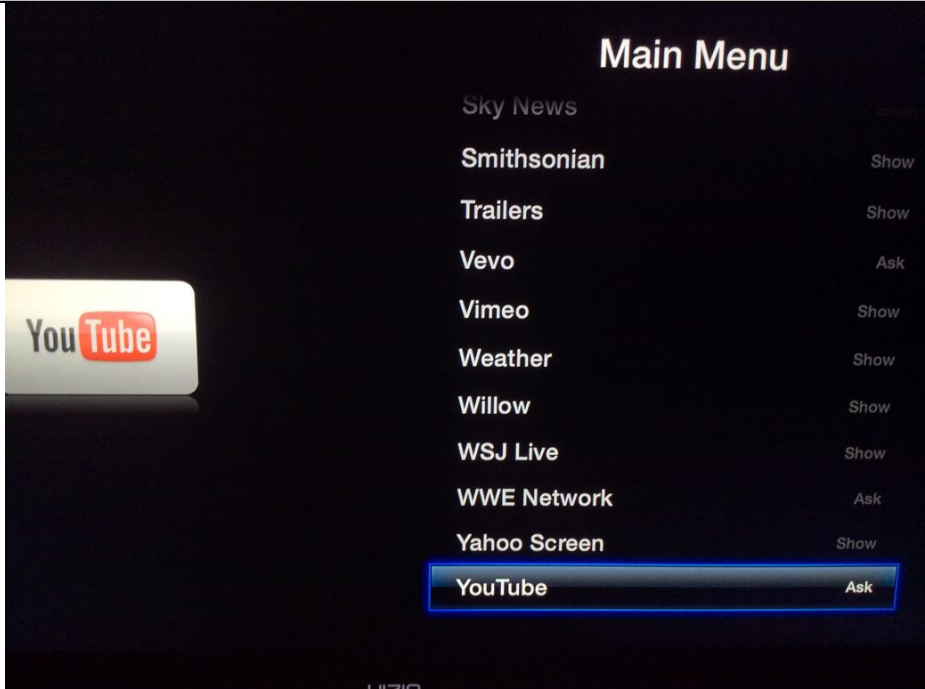
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	<div></div> <p>Example 2-2: Comparing information in the message to filtering information:</p>

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	<div><p>The screenshot displays the Apple TV home screen with a grid of 20 app icons. The icons are arranged in four rows and five columns. The YouTube icon, located in the third row, first column, is highlighted with a yellow border. The other icons include Movies, TV Shows, Music, iTunes Radio, Computers, iMovie Theater, Podcasts, Vevo, Vimeo, Yahoo! Screen, KORTV, WWE Network, ACC Sports, Red Bull TV, NBA, NHL, Qello Concerts, Crunchyroll, and Radio.</p></div> <p>Example 2-3: Determining whether to prevent or allow the outgoing transmission of the message in response to the comparison. In this example, the user's access to YouTube is prevented while the filter is on "Ask" as shown below. If the user enters the proper Passcode, then the user is allowed access to YouTube:</p>

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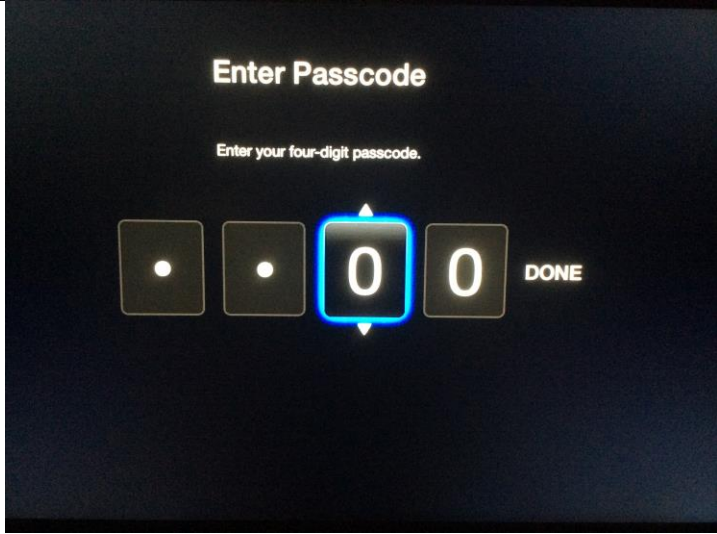
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Claim 9	
<p>9. The method of claim 1, wherein steps (a)-(d) are all performed by a client computer, step (b) including maintaining the database in storage residing on the client computer.</p>	<p>Apple TV is an example of a client computer. Apple TV performs all steps 1(a)-(d). See elements 1(a)-(d) above.</p> <p>For example, Apple TV maintains the database of filtering information in storage residing on the client computer.</p> <p><i>See, e.g.:</i></p>

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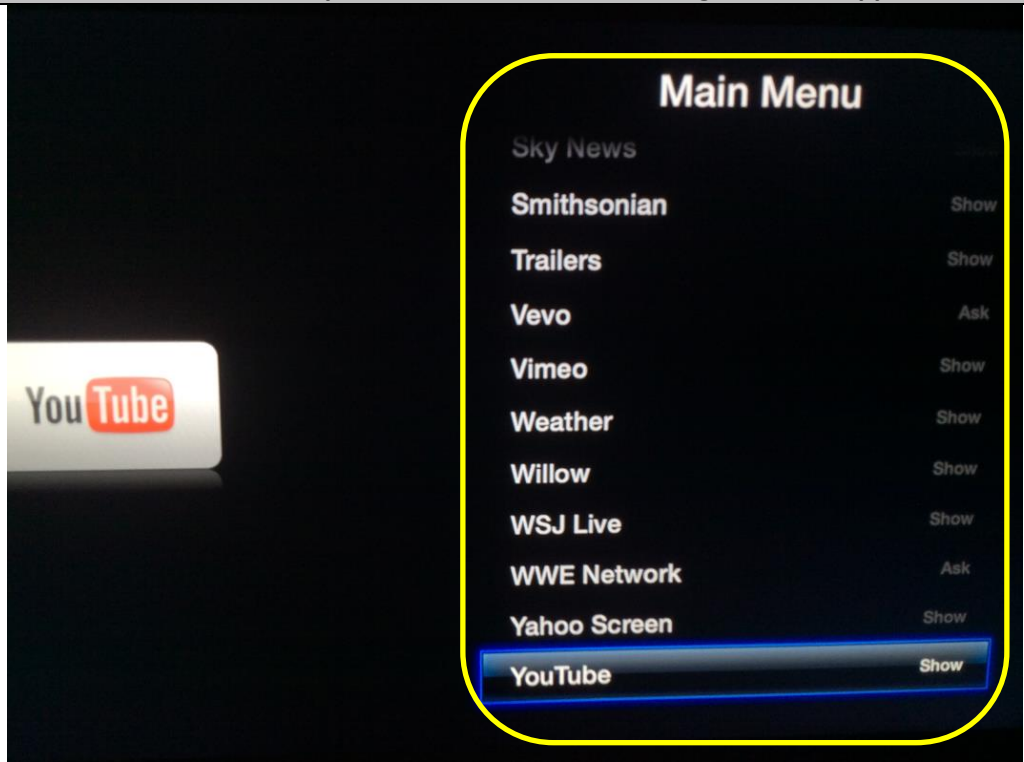
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	<div></div> <p>For example, Apple TV includes memory to store a database of filtering information.</p> <p>See e.g., http://www.hardwaresecrets.com/printpage/Apple-TV-Review/1818:</p> <p>The Apple TV</p> <p>The Apple TV uses a single core version of the Apple A5 CPU. It has 512 MiB of RAM and 8 GiB of flash memory.</p>
Claim 15	

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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 TV includes a method for filtering messages transmitted over the Internet to prevent or allow access to Internet sites.</p> <p><i>See, e.g.</i>, http://support.apple.com/kb/HT200198?viewlocale=en_US:</p> <p>“You can turn on Restrictions, also known as parental controls, on Apple TV with a few simple steps. Restrictions stop you from using specific features and services on the device . . . You can turn on and adjust Restrictions on Apple TV to prevent access to specific features or content on the device.”</p> <p>For example, Apple TV includes 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 TV 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><i>See, e.g.</i>, http://support.apple.com/kb/SP648:</p>

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	<div data-bbox="730 251 1423 592"> <p>3.9"</p> <p>3.9"</p> <p>0.9"</p> <p>0.9"</p> <ul style="list-style-type: none"> ■ Height: 0.9 inch (23 mm) ■ Width: 3.9 inches (98 mm) ■ Depth: 3.9 inches (98 mm) ■ Weight: 0.6 pound¹ <p>In the Box</p> <ul style="list-style-type: none"> ■ Apple TV ■ Apple Remote ■ Power cord ■ Documentation <p>Processor</p> <ul style="list-style-type: none"> ■ Apple single-core A5 chip <p>See, e.g., http://support.apple.com/kb/HT2463:</p> </div>

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See, e.g., Apple TV (3rd generation) - Technical Specifications, http://support.apple.com/kb/SP648 :						

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

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	<p>System Requirements</p> <ul style="list-style-type: none"> ■ Wi-Fi (802.11a, b, g, or n) wireless network (wireless video streaming requires 802.11a, g, or n) or 10/100BASE-T Ethernet network
<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)(1) 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 TV compares information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determines whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple TV that can be compared to filtering information. For example, Apple TV's Restrictions allow Apple TV to compare information in the 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 determines 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 Apple TV 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>

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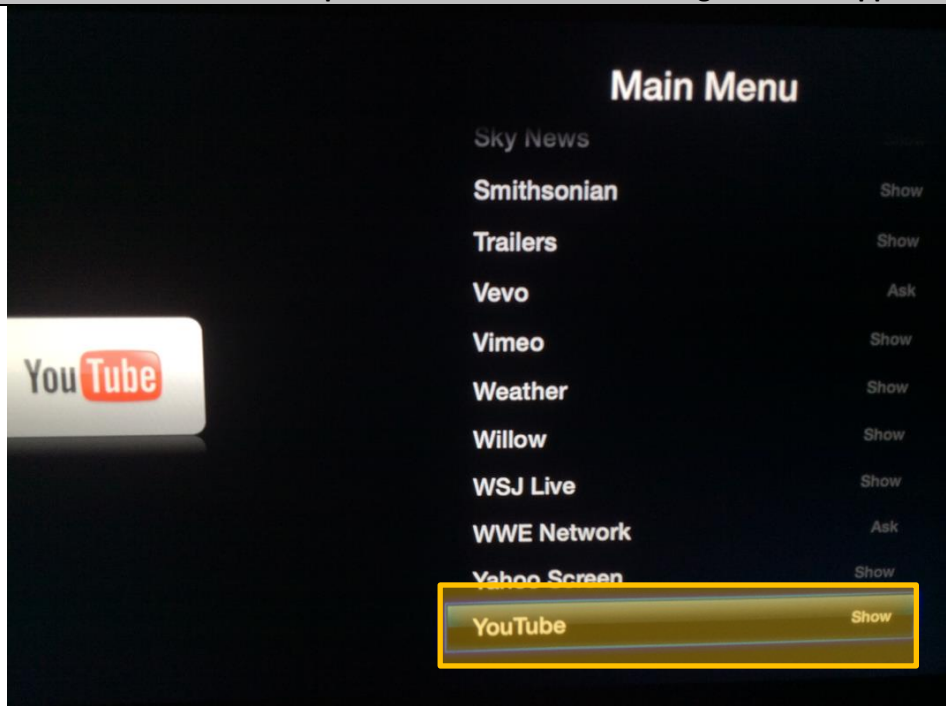
Claim Language	Representative Evidence of Infringement for Apple TV
	<div><p>The screenshot displays the 'Main Menu' of an Apple TV interface. On the left, there is a large, glowing 'YouTube' button. To the right, a list of services is shown, each with an associated action: Sky News (Show), Smithsonian (Show), Trailers (Show), Vevo (Ask), Vimeo (Show), Weather (Show), Willow (Show), WSJ Live (Show), WWE Network (Ask), Yahoo Screen (Show), and YouTube (Show). The 'YouTube' entry at the bottom is highlighted with a yellow rectangular box.</p></div> <p>Example 1-2: Comparing information in the message to filtering information:</p>

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Claim Language	Representative Evidence of Infringement for Apple TV
	 <p>The screenshot displays a grid of 20 app icons on a dark background. The icons are arranged in four rows of five. The YouTube icon, located in the third row, first column, is highlighted with a yellow border. Other visible icons include Movies, TV Shows, Music, iTunes Radio, Computers, iMovie Theater, Podcasts, Vevo, Vimeo, Yahoo! Screen, KORTV, WWE Network, ACC Sports, Red Bull TV, NBA, NHL, Qello Concerts, Crunchyroll, and Radio.</p> <p>Example 1-3: Determining whether to prevent or allow transmission of the message in response to the comparison. In this example, the user is allowed access to YouTube while the filter is on “Show” as shown below.</p> <p>See, e.g.:</p>

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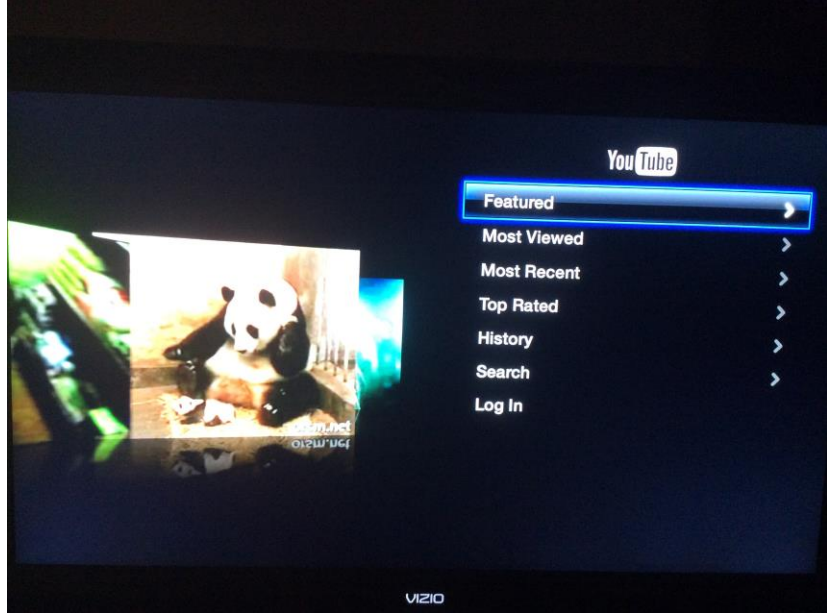
Claim Language	Representative Evidence of Infringement for Apple TV
	<div data-bbox="688 245 1509 854"></div> <p data-bbox="688 889 1108 922">Example 2-1: Filtering information:</p>

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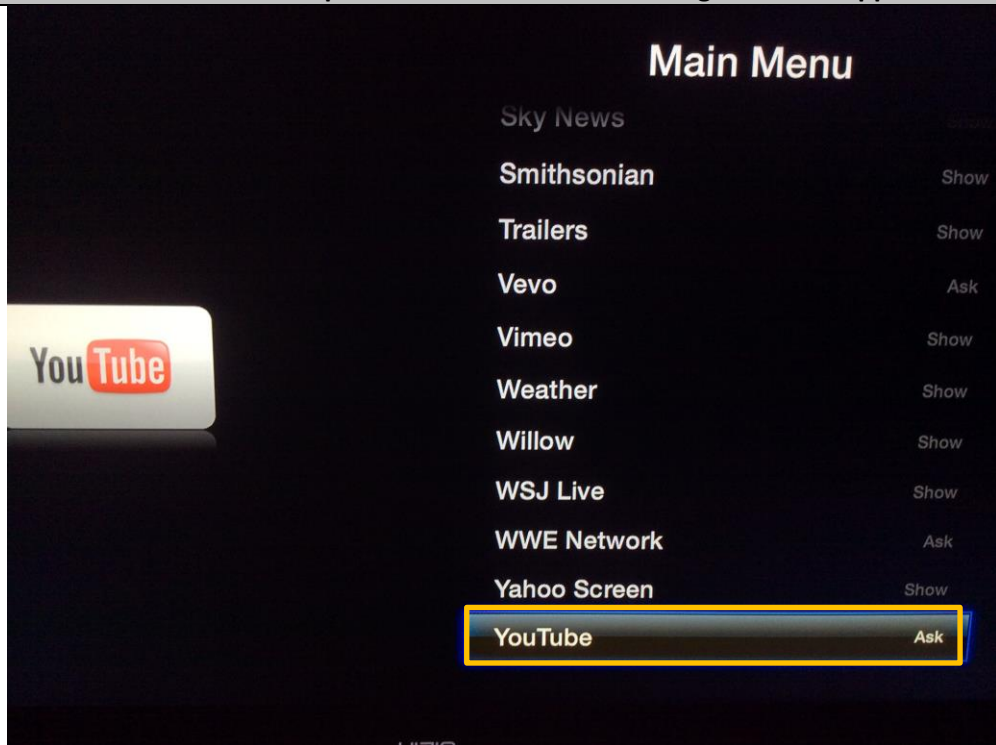
Claim Language	Representative Evidence of Infringement for Apple TV																								
	<div data-bbox="688 240 1677 980"><p>The screenshot displays the 'Main Menu' of an Apple TV interface. On the left, there is a large, glowing 'YouTube' button. To the right, a list of services is shown, each with a corresponding action button: Sky News (Show), Smithsonian (Show), Trailers (Show), Vevo (Ask), Vimeo (Show), Weather (Show), Willow (Show), WSJ Live (Show), WWE Network (Ask), Yahoo Screen (Show), and YouTube (Ask). The 'YouTube' entry at the bottom is highlighted with a yellow rectangular border.</p><table border="1"><thead><tr><th>Service</th><th>Action</th></tr></thead><tbody><tr><td>Sky News</td><td>Show</td></tr><tr><td>Smithsonian</td><td>Show</td></tr><tr><td>Trailers</td><td>Show</td></tr><tr><td>Vevo</td><td>Ask</td></tr><tr><td>Vimeo</td><td>Show</td></tr><tr><td>Weather</td><td>Show</td></tr><tr><td>Willow</td><td>Show</td></tr><tr><td>WSJ Live</td><td>Show</td></tr><tr><td>WWE Network</td><td>Ask</td></tr><tr><td>Yahoo Screen</td><td>Show</td></tr><tr><td>YouTube</td><td>Ask</td></tr></tbody></table></div> <p>Example 2-2: Comparing information in the message to filtering information:</p>	Service	Action	Sky News	Show	Smithsonian	Show	Trailers	Show	Vevo	Ask	Vimeo	Show	Weather	Show	Willow	Show	WSJ Live	Show	WWE Network	Ask	Yahoo Screen	Show	YouTube	Ask
Service	Action																								
Sky News	Show																								
Smithsonian	Show																								
Trailers	Show																								
Vevo	Ask																								
Vimeo	Show																								
Weather	Show																								
Willow	Show																								
WSJ Live	Show																								
WWE Network	Ask																								
Yahoo Screen	Show																								
YouTube	Ask																								

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Claim Language	Representative Evidence of Infringement for Apple TV
	 <p>The screenshot shows the Apple TV home screen with a grid of 20 app icons. The icons are arranged in four rows of five. The YouTube icon, located in the third row, first column, is highlighted with a yellow border. The other icons include Movies, TV Shows, Music, iTunes Radio, Computers, iMovie Theater, Podcasts, Vevo, Vimeo, Yahoo! Screen, KORTV, WWE Network, ACC Sports, Red Bull TV, NBA, NHL, Qello Concerts, Crunchyroll, and Radio.</p> <p>Example 2-3: Determining whether to prevent or allow transmission of the message in response to the comparison. In this example, the user's access to YouTube is prevented while the filter is on "Ask" as shown below. If the user enters the proper Passcode, then the user is allowed access to YouTube.</p> <p>See, e.g.:</p>

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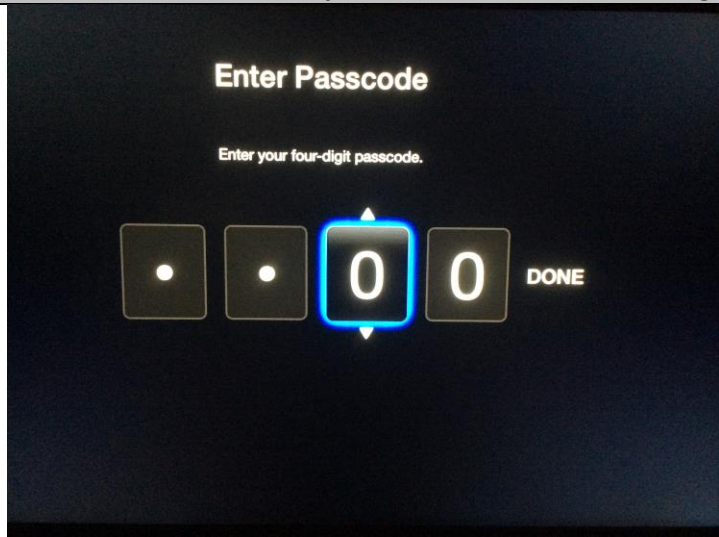

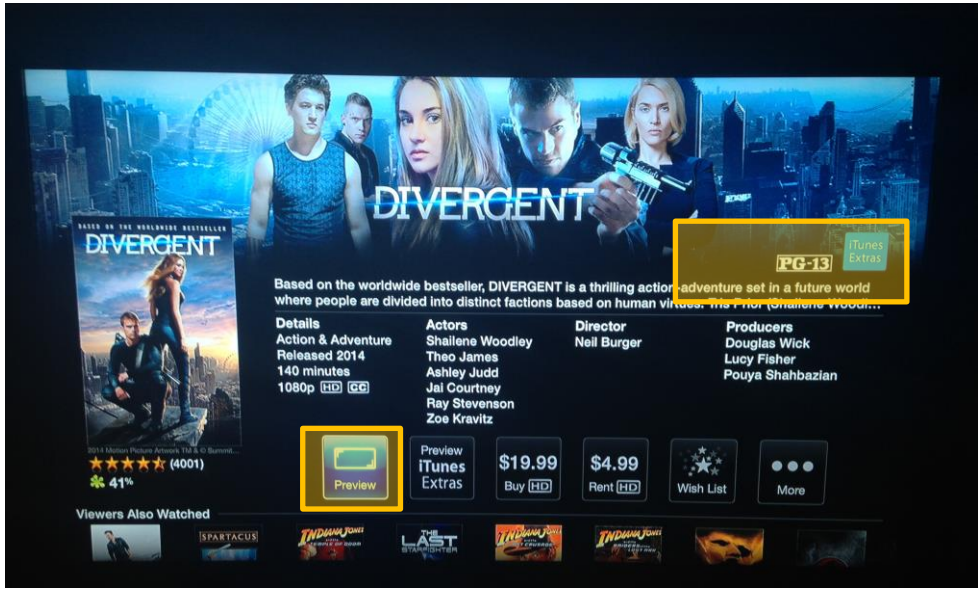
Claim Language	Representative Evidence of Infringement for Apple TV
	<div data-bbox="688 241 1402 774"></div> <p>Example 3-1: Filtering information:</p> <div data-bbox="688 878 1663 1356"></div> <p>Example 3-2: Comparing information in the message to filtering information:</p>

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Claim Language	Representative Evidence of Infringement for Apple TV
	 <p>The screenshot shows the iTunes interface for the movie 'Divergent'. The interface includes a movie poster, a description, cast and crew details, and purchase options. A yellow box highlights the 'PG-13' rating, and another yellow box highlights the 'Preview iTunes Extras' button.</p> <p>Based on the worldwide bestseller, DIVERGENT is a thrilling action-adventure set in a future world where people are divided into distinct factions based on human virtues. This film (Shailene Woodley...)</p> <p>Details Action & Adventure Released 2014 140 minutes 1080p HD CC</p> <p>Actors Shailene Woodley Theo James Ashley Judd Jai Courtney Ray Stevenson Zoe Kravitz</p> <p>Director Neil Burger</p> <p>Producers Douglas Wick Lucy Fisher Pouya Shahbazian</p> <p>Preview iTunes Extras \$19.99 Buy HD \$4.99 Rent HD Wish List More</p> <p>Viewers Also Watched</p>

Example 3-3: Determining whether to prevent or allow transmission of the message in response to the comparison. In this case, the transmission of the message, which includes information that the preview is for a PG-13 movie, is prevented in response to the comparison of the movie rating filter as shown below:

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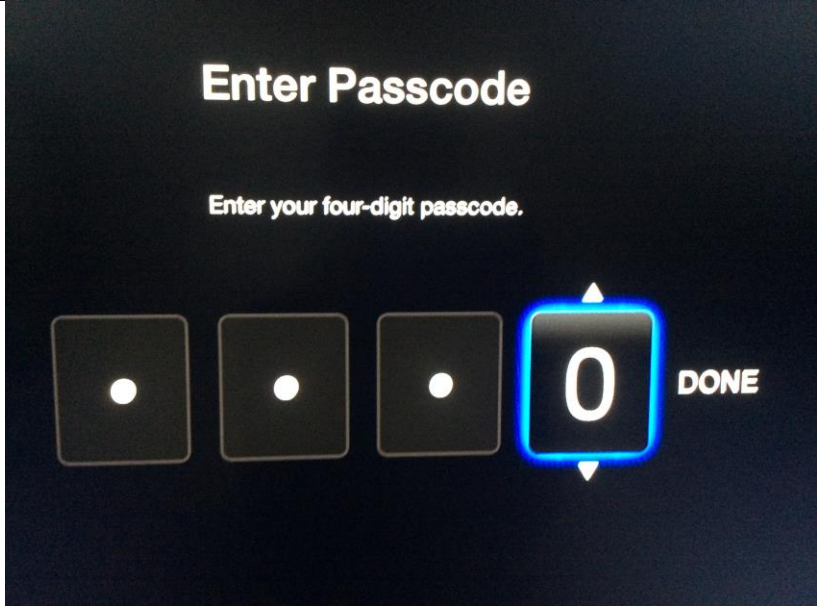
Claim Language	Representative Evidence of Infringement for Apple TV
	
Claim 23	
<p>23. A method for communicating with servers over the Internet to prevent or allow access to Internet sites, the method comprising the computer-implemented steps of:</p>	<p>The Accused Apple Products perform a method for communicating with servers over the Internet to prevent or allow access to Internet sites.</p> <p>Apple TV communicates in various ways with servers over the Internet. For example, Apple TV can communicate with servers over the Internet through the use of Internet protocols such as the HTTP and TCP protocols.</p> <p>See, e.g., http://support.apple.com/kb/HT2463:</p>

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Claim Language	Representative Evidence of Infringement for Apple TV
	<div data-bbox="709 280 1837 321"> <h3>Apple TV: TCP and UDP ports and protocols used Languages English</h3> </div> <div data-bbox="709 339 1709 396"> <p>Networked devices, such as your Mac, PC, and Apple TV, communicate with each other using specific communication channels known as TCP and UDP ports. Learn about the ports used by Apple TV.</p> </div> <div data-bbox="709 459 1499 485"> <p>These network ports are used by Apple TV for communications on your network.</p> </div> <div data-bbox="728 516 1797 730"> <ul style="list-style-type: none"> ■ TCP port 123 is used to communicate with a network time server. ■ TCP port 3689 is used to communicate with iTunes while using the iTunes Library Sharing feature. ■ UDP port 5353 is used by Apple TV for automatically finding computers with iTunes on your network using Bonjour. ■ TCP port 80 is used for communicating with podcast servers. ■ TCP port 80 and 443 are used for basic and secure communications with the iTunes Store via the Internet. ■ TCP port 53 is used for regular DNS. </div> <div data-bbox="709 745 1803 834"> <p>These are well-known ports used by Apple products, like iTunes. If you can use all the features of iTunes, these ports are likely already open on your firewall or NAT router. Note: These ports may also used by other services such as YouTube and Flickr.</p> </div> <div data-bbox="682 863 1262 896"> <p>See, e.g., http://support.apple.com/kb/HT6175:</p> </div> <div data-bbox="709 959 1688 1032"> <h3>Well known TCP and UDP ports used by Apple software products Languages English</h3> </div> <div data-bbox="709 1049 1665 1099"> <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> </div> <div data-bbox="709 1148 978 1172"> <p>Ports used by Apple products</p> </div> <div data-bbox="709 1172 1671 1248"> <p>The table below outlines TCP and UDP ports used by Apple products. Your network administrator may need this information to make sure your computer or device can connect to services such as automatic software updates, or the App Store. For an explanation of what a TCP or UDP port is, see the "IP Ports" section of "OS X: What Is a Port?"</p> </div>

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Claim Language	Representative Evidence of Infringement for Apple TV					
	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, iCloud, QuickTime Installer, iTunes Store and Radio, OS X Software Update (OS X Lion and earlier), Mac App Store, RAID Admin, Backup, iCal calendar publishing, WebDAV, Final Cut Server, AirPlay, OS X Internet Recovery, Profile Manager, Xcode Server (Xcode app, hosted and remote Git HTTP, remote SVN HTTP).
	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	TLS websites, iTunes Store, OS X Software Update (Mountain Lion and later), Mac App Store, FaceTime, Game Center, iCloud authentication and DAV Services (Contacts, Calendars, and Bookmarks), iCloud backup and applications (Calendars, Contacts, Find My iPhone/Find My Friends, Mail, Documents & Photo Stream), iCloud Key Value Store (KVS), iPhoto Journals, AirPlay, OS X Internet Recovery, Profile Manager, Back to My Mac, Dictation, Xcode Server (hosted and remote Git HTTPS, remote SVN HTTPS, Apple Developer registration).
<p>Apple TV communicates over the Internet through the use of either a wireless network or an Ethernet network. <i>See, e.g.</i>, http://support.apple.com/kb/SP648:</p>						

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	<p>System Requirements</p> <ul style="list-style-type: none">■ Wi-Fi (802.11a, b, g, or n) wireless network (wireless video streaming requires 802.11a, g, or n) or 10/100BASE-T Ethernet network <p>For example, Apple TV includes features, such as Restrictions, that can prevent or allow access to Internet Sites.</p> <p>See, e.g., http://support.apple.com/kb/HT200198?viewlocale=en_US:</p> <p>“You can turn on Restrictions, also known as parental controls, on Apple TV with a few simple steps. Restrictions stop you from using specific features and services on the device . . . You can turn on and adjust Restrictions on Apple TV to prevent access to specific features or content on the device.”</p> <p>For example, Apple TV includes a processor that performs computer-implemented steps for communicating with servers over the Internet to prevent or allow access to Internet sites. To the extent an Internet site that may be accessed by Apple TV 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/SP648:</p>

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Claim Language	Representative Evidence of Infringement for Apple TV
	 <ul style="list-style-type: none"> ■ Height: 0.9 inch (23 mm) ■ Width: 3.9 inches (98 mm) ■ Depth: 3.9 inches (98 mm) ■ Weight: 0.6 pound¹ <p>In the Box</p> <ul style="list-style-type: none"> ■ Apple TV ■ Apple Remote ■ Power cord ■ Documentation <p>Processor</p> <ul style="list-style-type: none"> ■ Apple single-core A5 chip
(a) opening a data stream to receive a message through an interface from an Internet server;	<p>Apple TV opens a data stream to receive a message through an interface from an Internet server.</p> <p>For example, when an Internet site sends a response to Apple TV, Apple TV opens 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., http://support.apple.com/kb/HT2463:</p>

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Claim Language	Representative Evidence of Infringement for Apple TV						
	<div><div>Apple TV: TCP and UDP ports and protocols used</div><div>LanguagesEnglish</div><div>Networked devices, such as your Mac, PC, and Apple TV, communicate with each other using specific communication channels known as TCP and UDP ports. Learn about the ports used by Apple TV.</div><div>These network ports are used by Apple TV for communications on your network.</div><div><div><div>■ TCP port 123 is used to communicate with a network time server.</div><div>■ TCP port 3689 is used to communicate with iTunes while using the iTunes Library Sharing feature.</div><div>■ UDP port 5353 is used by Apple TV for automatically finding computers with iTunes on your network using Bonjour.</div><div>■ TCP port 80 is used for communicating with podcast servers.</div><div>■ TCP port 80 and 443 are used for basic and secure communications with the iTunes Store via the Internet.</div><div>■ TCP port 53 is used for regular DNS.</div></div><div>These are well-known ports used by Apple products, like iTunes. If you can use all the features of iTunes, these ports are likely already open on your firewall or NAT router. Note: These ports may also be used by other services such as YouTube and Flickr.</div><div>See, e.g., http://support.apple.com/kb/HT6175:</div><div><div>Well known TCP and UDP ports used by Apple software products</div><div>LanguagesEnglish</div><div>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.</div><div>Ports used by Apple products</div><div>The table below outlines TCP and UDP ports used by Apple products. Your network administrator may need this information to make sure your computer or device can connect to services such as automatic software updates, or the App Store. For an explanation of what a TCP or UDP port is, see the "IP Ports" section of "OS X: What Is a Port?"</div><table><tr><th>Port</th><th>TCP or UDP</th><th>Service or</th><th>RFC</th><th>Service</th><th>Used by / Additional information</th></tr></table></div></div></div>	Port	TCP or UDP	Service or	RFC	Service	Used by / Additional information
Port	TCP or UDP	Service or	RFC	Service	Used by / Additional information		

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Claim Language	Representative Evidence of Infringement for Apple TV					
			Protocol Name		Name	
	80	TCP	Hypertext Transfer Protocol (HTTP)	2616	http	World Wide Web, iCloud, QuickTime Installer, iTunes Store and Radio, OS X Software Update (OS X Lion and earlier), Mac App Store, RAID Admin, Backup, iCal calendar publishing, WebDAV, Final Cut Server, AirPlay, OS X Internet Recovery, Profile Manager, Xcode Server (Xcode app, hosted and remote Git HTTP, remote SVN HTTP).
	443	TCP	Secure Sockets Layer (SSL, or "HTTPS")	2818	https	TLS websites, iTunes Store, OS X Software Update (Mountain Lion and later), Mac App Store, FaceTime, Game Center, iCloud authentication and DAV Services (Contacts, Calendars, and Bookmarks), iCloud backup and applications (Calendars, Contacts, Find My iPhone/Find My Friends, Mail, Documents & Photo Stream), iCloud Key Value Store (KVS), iPhoto Journals, AirPlay, OS X Internet Recovery, Profile Manager, Back to My Mac, Dictation, Xcode Server (hosted and remote Git HTTPS, remote SVN HTTPS, Apple Developer registration).
<p>There are various messages available to Apple TV that can be received through an interface from an Internet server. For example, Apple TV can receive an HTTP message, such as an HTTP Response message.</p>						

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<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>	<p>See elements 1(b), 1(b)(1), and 1(b)(2) above.</p>
<p>(e) comparing information in the message to filtering information in the filters specifying immediate action and filters specifying deferred action and</p> <p>(f) determining whether to prevent or allow the incoming transmission of the message based on the comparison.</p>	<p>Apple TV compares information in the message to filtering information in at least one of said filters specifying immediate action and said filters specifying deferred action and determines whether to prevent or allow transmission of the message in response to the comparison.</p> <p>There are various messages available to Apple TV that can be compared to the filtering information. For example, Apple TV's Restrictions allow Apple TV 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 an Apple TV 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>

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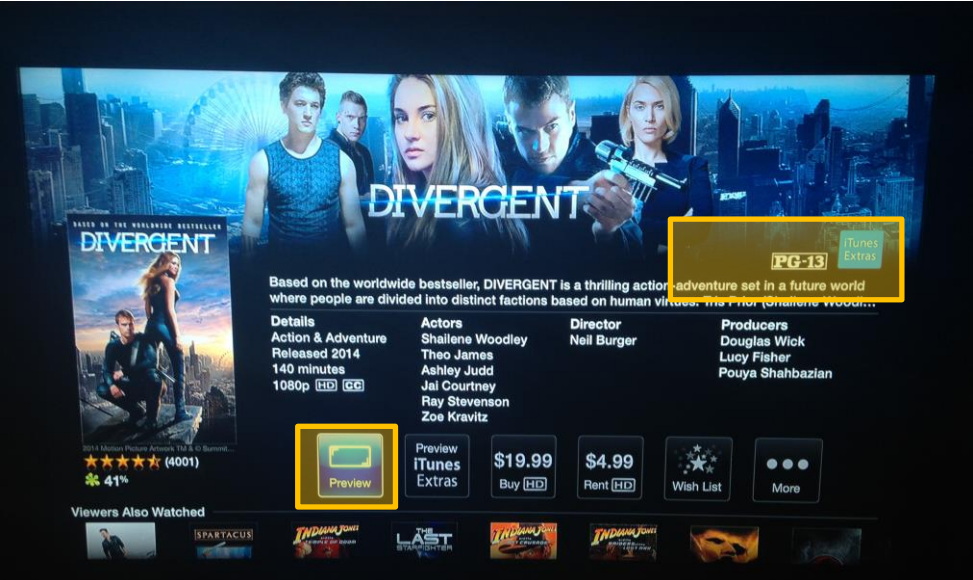
Claim Language	Representative Evidence of Infringement for Apple TV
	 <p>Example 3-2: Comparing information in the incoming message to filtering information:</p> 

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Claim Language	Representative Evidence of Infringement for Apple TV
	<p data-bbox="688 251 1913 386">Example 3-3: Determining whether to prevent or allow the incoming transmission of the message in response to the comparison. In this case, the incoming transmission of the message, which includes the preview of a PG-13 movie, is prevented in response to the comparison of the movie rating filter as shown below:</p> 