Exhibit 5

IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF WISCONSIN

APPLE INC. and NeXT SOFTWARE INC. (f/k/a NeXT COMPUTER, INC.), Plaintiffs, v. MOTOROLA, INC. and MOTOROLA MOBILITY, INC. Defendants.	Case No. 10-CV-662 (BBC) **JURY TRIAL DEMANDED**

PLAINTIFFS' SUPPLEMENTAL OBJECTIONS AND RESPONSES TO DEFENDANTS' FIRST SET OF INTERROGATORIES (NO. 6)

Pursuant to Rules 26 and 33 of the Federal Rules of Civil Procedure, Plaintiffs Apple Inc. ("Apple") and NeXT Software, Inc. ("NeXT") (collectively, "Plaintiffs") hereby provide their first supplemental objections and responses to the first set of interrogatories served by Defendants Motorola, Inc. and Motorola Mobility, Inc. (collectively, "Defendants").

GENERAL OBJECTIONS

Plaintiffs reiterate and incorporate by reference their objections to Defendants' First Set of Interrogatories, as if specifically stated herein.

FURTHER OBJECTIONS AND RESPONSES

INTERROGATORY NO. 6

For each claim of the Apple Asserted Patents that you allege Defendants have infringed or are infringing, describe the complete basis for your contention that

Defendants are infringing or have infringed that claim by describing in a claim chart on an element-by-element basis where each element of each Asserted Claim can be found in each Accused Instrumentality of Defendants that you contend infringes that claim, whether such alleged infringement is literal or by equivalents, how 35 U.S.C. § 112(6) is satisfied, if applicable, and whether such alleged infringement is direct (*i.e.*, under 35 U.S.C. § 271(a)) or indirect (*i.e.*, under 35 U.S.C. §§ 271(b) or (c)).

RESPONSE TO INTERROGATORY NO. 6

In addition to their General Objections, Plaintiffs object to this interrogatory as vague and ambiguous, overly broad, and unduly burdensome. Plaintiffs further object to this interrogatory to the extent that it seeks information that is (a) protected by the attorney-client privilege or work product doctrine; (b) confidential, proprietary, or trade secret; (c) subject to Plaintiffs' legal or contractual obligation of nondisclosure or confidentiality to a third party; and/or (d) public or readily available to Defendants. Plaintiffs further object to the extent this interrogatory calls for a legal conclusion. Plaintiffs also object to this contention interrogatory as premature because, among other things, Defendants have not yet produced documents or information about its products used to infringe the Apple Asserted Patents. Plaintiffs expressly reserve the right to amend, supplement, and/or correct its response to this interrogatory as additional information becomes available to Plaintiffs during the course of their discovery and investigation, in response to any claim construction by the Court, or in response to Defendants' responses to Plaintiffs' interrogatories (or any supplement thereto).

Subject to their General and Specific Objections, Plaintiffs respond as follows: Plaintiffs will provide their infringement contentions by March 4, 2011 pursuant to the

Court's Preliminary Pretrial Order and will supplement those contentions as appropriate. Plaintiffs will provide their expert reports regarding infringement of the Apple Asserted Patents by September 2, 2011 pursuant to the Court's Preliminary Pretrial Order and will supplement those reports as appropriate and necessary and as permitted by the Court.

SUPPLEMENTAL RESPONSE TO INTERROGATORY NO. 6

Subject to their General and Specific Objections above, Plaintiffs hereby incorporate by reference Plaintiffs' Identification of Asserted Claims and Accused Products regarding U.S. Patent Nos. 7,479,949 ("the '949 patent"), 6,493,002 ("the '002 patent"), 5,838,315 ("the '315 patent"), RE 39,486 (the "RE '486 patent"), 6,424,354 ("the '354 patent"), 6,343,263 ("the '263 patent"), 6,275,983 ("the '983 patent"), 5,969,705 ("the '705 patent"), 5,946,647 ("the '647 patent"), 5,929,852 ("the '852 patent"), 5,915,131 ("the '131 patent"), 5,566,337 ("the '337 patent"), 5,519,867 ("the '867 patent"), 5,481,721 ("the '721 patent") and 5,455,599 ("the '599 patent"), served on March 4, 2011. In addition, based upon presently known information, Plaintiffs append claim charts for each of the Apple Patents-in-Suit as follows:

- Ex. A: '949 Patent, claims 1, 2, 4-6, and 9-20.
- Ex. B: '002 Patent, claims 1, 3-7, 11, 21, 22, 26, 28-32, 36, 37, 46, and 47.
- Ex. C: '315 Patent, claims 1, 7, 8, and 12-14.
- Ex. D: RE '486 Patent, claims 1-3, 6-12, 14-17, and 20.
- Ex. E: '354 Patent, claims 1, 3, 5-8, 41, and 42.
- Ex. F: '263 Patent, claims 1-6, 24, 25, 29, and 30.
- Ex. G: '983 Patent, claims 1-11, 16, 17, and 22.
- Ex. H: '705 Patent, claim 1.
- Ex. I: '647 Patent, claims 1, 3, 4, 8, 9, 13-15, 19, 20, and 22.
- Ex. J: '852 Patent, claims 1-3, 7-13, and 15-19.
- Ex. K: '131 Patent, claims 1, 3, 4, 7-12, and 15-17.
- Ex. L: '337 Patent, claims 1, 3, 6-10, 12, 14, 16-19, 21, 23, and 24.
- Ex. M: '867 Patent, claims 1-3, 7-10, 12, 13, and 32.

- Ex. N: ’721 Patent, claims 1, 3-7, 11-14, 19-22, and 24.
- Ex. O: ’599 Patent, claims 1-3, 15, 16, 18, 19, 22, and 24-26.

Defendants infringe or have infringed these claims (collectively, “the Asserted Claims”) by making, using, selling, offering for sale or importing at least the following devices: Droid, Droid 2, Droid 2 Global, Droid X, Droid Pro, Cliq, Cliq XT, Cliq 2, Charm, BackFlip, Devour, i1, Citrus, Defy, Bravo, Flipout, Flipside, Atrix 4G, and Xoom (collectively “the Accused Products”). As described in further detail in the appended claim charts, *see* Exs. A-O, each element of each of the Asserted Claims is met by the Accused Products. Where the basis for infringement is not significantly distinct, Plaintiffs have selected representative Accused Products as appropriate.

Defendants directly and indirectly infringe all of the Asserted Claims. Defendants directly infringe these claims by making, using, offering for sale, or selling the Accused Products within the United States, or by importing the Accused Products into the United States. In addition, Defendants’ customers directly infringe the Asserted Claims by using the Accused Products, and Defendants induce this direct infringement of the Asserted Claims by selling the Accused Products and by providing manuals and other user guides encouraging their customers to use the Accused Products in an infringing manner. Defendants further contribute to this direct infringement of the Asserted Claims by selling the Accused Products, which are specifically designed to practice the inventions of the Asserted Claims and have no substantial non-infringing uses. Based on presently known information, Plaintiffs contend that the Accused Products made, used, sold, offered for sale or imported by Defendants infringe each of the Asserted Claims literally or, in the alternative, under the doctrine of equivalents.

These contentions are preliminary and based only on publicly available information. Defendants have not yet provided discovery as to twelve of the fifteen Apple Patents-in-Suit and Plaintiffs' investigation of Defendants' infringement is ongoing. Based on discovery and Plaintiffs' continued investigations, Plaintiffs may identify additional claims that are infringed and additional accused products, including products that Defendants may introduce in the future. Plaintiffs expressly reserve the right to amend their response to this Interrogatory to include such products. Also, these contentions are made based on information ascertained to date, and Plaintiffs expressly reserve the right to modify or amend the contentions contained herein based on the Court's claim constructions or to reflect additional information that becomes available to Plaintiffs as discovery and their investigation proceeds.

Dated: March 18, 2011

WEIL, GOTSHAL & MANGES LLP

By: */s/ Jill J. Ho*

Jill J. Ho
Attorneys for Apple Inc. and NeXT Software, Inc.

CERTIFICATE OF SERVICE

I declare that I am employed with the law firm of Weil, Gotshal & Manges LLP, whose address is 201 Redwood Shores Parkway, Redwood Shores, California 94065-1175. I am not a party to the within cause, and I am over the age of eighteen years. I further declare that on March 18, 2011, I served a corrected copy of:

PLAINTIFFS' SUPPLEMENTAL OBJECTIONS AND RESPONSES TO DEFENDANTS' FIRST SET OF INTERROGATORIES (NO. 6)

☐ **BY U.S. MAIL** by placing a true copy thereof enclosed in a sealed envelope with postage thereon fully prepaid, addressed as follows, for collection and mailing in accordance with the firm's ordinary business practices. I am readily familiar with the practice for collection and processing of mail, and know that in the ordinary course of business practice that the document(s) described above will be deposited with the U.S. Postal Service on the same date as sworn to below.

☒ **BY ELECTRONIC SERVICE** by electronically mailing a true and correct copy through the electronic mail system to the email address(es) set forth in the service list below.

☐ **BY OVERNIGHT DELIVERY** by placing a true copy thereof enclosed in a sealed envelope with overnight delivery fees provided for, addressed as follows, for collection by Federal Express in accordance with ordinary business practices. I am readily familiar with the practice for collection and processing of correspondence for overnight delivery and know that in the ordinary course of business practice the document(s) described above will be deposited by an employee or agent in a box or other facility regularly maintained by Federal Express for collection on the same day that the document(s) are deposited.

Lynn Stathas (# 1003695) lstathas@reinhartlaw.com REINHART BOERNER VAN DEUREN, S.C. 22 East Mifflin Street Madison, WI 53701-2018 Phone: (608) 229-2200 Fax: (608) 229-2100	Edward J. DeFranco eddefranco@quinnemanuel.com 51 Madison Avenue, 22nd Floor New York, NY 10010 Telephone: (212) 849-7000 Facsimile: (212) 849-7100 Moto-Apple-745@quinnemanuel.com *Attorneys for Defendants Motorola, Inc. and Motorola Mobility, Inc.*

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. Executed on March 18, 2011, at Redwood Shores, California.

/s/ Jill J. Ho
Jill J. Ho

Exhibit J – U.S. Patent No. 5,929,852

Motorola directly and/or indirectly infringes at least claims 1-3, 7-13, and 15-19 of the ’852 patent, either literally or through the doctrine of equivalents. Motorola’s infringing products include mobile devices such as smartphones and tablet computers, including but not limited to: Atrix, Bravo, Cliq, Cliq XT, Cliq 2, Charm, Defy, BackFlip, Devour, Droid, Droid 2, Droid 2 Global, Droid X, Droid Pro, Droid Bionic, Flipout, Flipside, i1, and Xoom (collectively, the “’852 Accused Products”).

For the purposes of this analysis, Apple will examine a representative mobile device, Motorola’s Droid X, which operates with the Android 2.1 Platform. All other ’852 Accused Products meet the limitations of the asserted claims on the same bases as indicated for the Droid X, unless otherwise stated.

This infringement is preliminary and based only on publicly available information as to the accused products. Motorola has not yet provided discovery as to its accused products and in addition Apple’s investigation of Motorola’s infringement is ongoing. Based on discovery and Apple’s continued investigations Apple reserves the right to amend these contentions to identify additional bases for infringement and additional accused products, including products that Motorola may introduce in the future that will be infringement. Accordingly, Apple reserves its right to amend these contentions as discovery and its investigation proceeds. Also, these disclosures are made based on information ascertained to date, and Apple expressly reserves the right to modify or amend the disclosures contained herein based on the Court’s claim constructions or to reflect additional information that becomes available to Apple.

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1. A method of efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component, the method comprising the steps of:	The ’852 Accused Products perform a method of efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component. The ’852 Accused Products are computers coupled to a computer network. • For example, the Motorola Droid X includes a Texas Instruments OMAP3630-1000 1GHz processor *See* **Exh. J-1** [Droid X by Motorola MotoDev Specs] and is capable of executing numerous computer programs such as email programs, web browsers, and instant messaging applications. *See* **Exh. J-2** [Droid X by Motorola Tech Specs]. Accordingly, the Droid X is a computer. Moreover, the ’852 Accused Products are coupled to computer networks, such as the

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	Internet via cellular and wireless networks. (*Id.*). The '852 Accused Products perform a method of efficiently accessing information from a network resource. • For example. the '852 Accused Products use widgets to allow a user to access information from a network resource and to display network information to a user. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8. A widget includes data located on the Internet of various types, such as text and images. Each such data type is accessible by a corresponding object-oriented software component. *See* **Exh. J-3** [Android Developer Site - "App Widgets"].
defining at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource;	The '852 Accused Products perform the step of defining at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource. • For example, the Android framework is object-oriented; its applications are written using the Java programming language. *See* **Exh. J-5** [Android Developer Site - "Application Fundamentals"]. Moreover, the Android software framework defines components, including network components. In general, Android applications are composed of essential components that the system can instantiate and run as needed. *Id.* • For example, Android includes Java classes designed to access services directed to the computer network, such as the URLStreamHandler and URLConnection classes, along with the HttpURLConnection and JarURLConnection classes, which are subclasses of the URLConnection class. *See*, e.g., **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]; **Exh. J-7** [Android Developer Site - "java.net.URLStreamHandler"]; **Exh. J-8** [Android Developer Site - "java.net.URLConnection"]; **Exh. J-9** [Android Developer Site - "java.net.JarURLConnection"]. The combination of these classes defines the network component layer. The network component layer in Android is designed to be used in developing network

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	navigation components, such as web browsers, email viewers, and similar applications, which provide services directed to the network. *See* **Exh. J-10** [Android Developer Site- "What is Android?"] • For example, the Droid X includes a weather widget, news application, and news and weather application, which integrate the object-oriented software components needed to access data types associated with the network resources. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Closed Weather Widget on Droid X, Source: Droid X
creating an encapsulated entity component containing a reference to a location of the network resource on the computer network, the encapsulated entity component also identifying the at least one network component that was defined	The '852 Accused Products perform the step of creating an encapsulated entity component containing a reference to a location of the network resource on the computer network, the encapsulated entity component also identifying the at least one network component that was defined for the network resource. • For example, on information and belief, Droid X's weather widget, for example,

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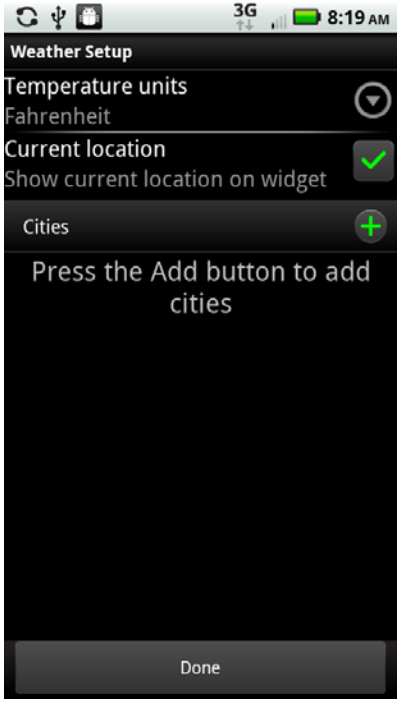
for the network resource;	has at least one object corresponding to an encapsulated entity that contains a reference to a location of the network resource on the computer network. • For example, the weather widget contains the contents of a referenced network resource, such as a URL for a webpage, and can display the content on the Droid X display screen. Moreover, the weather widget on the Droid X, for example, also identifies the at least one network component that was defined for each of the network resources. • For instance, the weather widget in the Motorola Droid X defines that, when a user taps on the widget, the Droid X should open the Weather widget. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]. The user may further change the temperature units or add location when the weather widget is open. *Id*. 

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	Open Weather Widget on Droid X, Source: Droid X
storing the encapsulated entity component as a visual object on the computer;	The ’852 Accused Products perform the step of storing an encapsulated entity component as a visual object on the computer. • For example, the Droid X stores the weather widget as a visual object on its screen. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Closed Weather Widget on Droid X, Source: Droid X
in response to manipulation of the visual object with a pointing device, displaying the contents of the network resource on a screen of the computer by invoking the object-oriented software components integrated by the at least one identified	The ’852 Accused Products perform the step of, in response to manipulation of a visual object with a pointing device, displaying the contents of the network resource on the screen of the computer by invoking the object-oriented software components integrated by the at least one identified network component. • For example, when a user touches the weather widget on the Droid X, the Droid X responds by invoking a visual representation of the network resource, i.e.,

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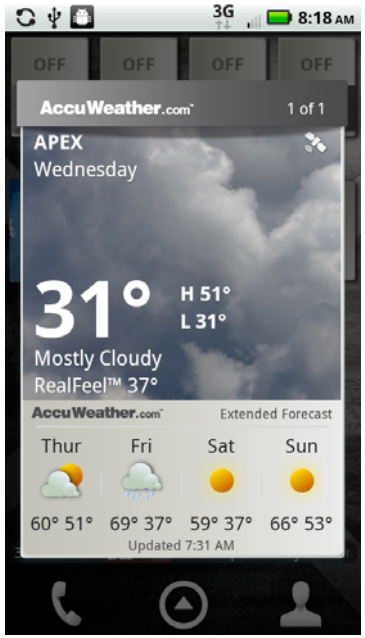
network component.	weather information displaying the information on the Droid X display. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Open Weather Widget on Droid X, Source: Droid X
2. The method of claim 1 wherein the step of displaying comprises the step of invoking a first network component for displaying the contents of the referenced network resource on the screen, the first network component comprising a browsing component.	The ’852 Accused Products perform the method of claim 1 wherein the step of displaying comprises the step of invoking a first network component for displaying the contents of the referenced network resource on the screen, the first network component comprising a browsing component. • For example, the weather widget in the Droid X is invoked for displaying the contents of a referenced network resource, such as a URL for a webpage, on the Droid X display screen. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8. • On information and belief, the weather widget comprises a browsing component.

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3. The method of claim 2 wherein the step of displaying further comprises the step of invoking a second network component for transfering [sic] the contents of the referenced network resource to the first network component, the second network component comprising a data stream component.	The '852 Accused Products perform the method of claim 2 wherein the step of displaying further comprises the step of invoking a second network component for transferring the contents of the referenced network resource to the first network component, the second network component comprising a data stream component. • For example, Android includes Java classes designed to access services directed to the computer network, such as the HttpURLConnection class. *See* **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]. The HttpURLConnection class includes network components, and can be considered a second network component. (*Id.*). In the Droid X, the HttpURLConnection transfers contents of the reference network resource to the widget, and the HttpURLConnection comprises a data stream. *See* **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]; *see also* **Exh. J-3** [Android Developer Site - "App Widgets"] • On information and belief, the weather widget, for example, implements HttpURLConnection class.
7. Apparatus for efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component, the apparatus comprising:	The '852 Accused Products include an apparatus for efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component. The '852 Accused Products are computers coupled to a computer network. • For example, the Motorola Droid X includes a Texas Instruments OMAP3630-1000 1GHz processor *See* **Exh. J-1** [Droid X by Motorola MotoDev Specs] and is capable of executing numerous computer programs such as email programs, web browsers, and instant messaging applications. *See* **Exh. J-2** [Droid X by Motorola Tech Specs]. Accordingly, the Droid X is a computer. Moreover, the '852 Accused Products are coupled to computer networks, such as the Internet via cellular and wireless networks. *Id.* The '852 Accused Products efficiently access information from a network resource. • For example. the '852 Accused Products use widgets to allow a user to access

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	information from a network resource and to display network information to a user. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8. A widget includes data located on the Internet of various types, such as text and images. Each such data type is accessible by a corresponding object-oriented software component. *See* **Exh. J-3** [Android Developer Site - "App Widgets"].
an object-oriented software component architecture layer configured to define at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource; and	The '852 Accused Products include an object-oriented software component architecture layer that is configured to define at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource. • For example, the Android framework is object-oriented; its applications are written using the Java programming language. *See* **Exh. J-5** [Android Developer Site - "Application Fundamentals"]. Moreover, the Android software framework defines components, including network components. In general, Android applications are composed of essential components that the system can instantiate and run as needed. *Id.* • For example, Android includes Java classes designed to access services directed to the computer network, such as the URLStreamHandler and URLConnection classes, along with the HttpURLConnection and JarURLConnection classes, which are subclasses of the URLConnection class. *See,* e.g., **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]; **Exh. J-7** [Android Developer Site - "java.net.URLStreamHandler"]; **Exh. J-8** [Android Developer Site - "java.net.URLConnection"]; **Exh. J-9** [Android Developer Site - "java.net.JarURLConnection"]. The combination of these classes defines the network component layer. The network component layer in Android is designed to be used in developing network navigation components, such as web browsers, email viewers, and similar applications, which provide services directed to the network. *See* **Exh. J-10** [Android Developer Site- "What is Android?"]. • For example, the Droid X includes a weather widget, news application, and

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	news and weather application, which integrate the object-oriented software components needed to access data types associated with the network resources. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Closed Weather Widget on Droid X, Source: Droid X
an encapsulated network entity component cooperating with the component architecture layer and containing a reference to the network resource and an identifier for the at least one network component that was defined for the network resource	The '852 Accused Products include an encapsulated network entity component cooperating with the component architecture layer and containing a reference to the network resource and an identifier for the at least one network component that was defined for the network resource. • For example, on information and belief, Droid X's weather widget, for example, has at least one object corresponding to an encapsulated entity that contains a reference to a location of the network resource on the computer network. • For example, the weather widget contains the contents of a referenced network resource, such as a URL for a webpage, and can display the content on the Droid

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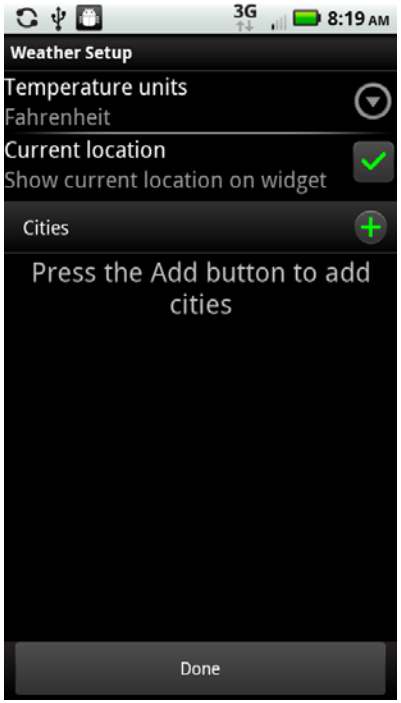
	X display screen. Moreover, the weather widget on the Droid X, for example, also identifies the at least one network component that was defined for each of the network resources. • For instance, the weather widget in the Motorola Droid X defines that, when a user taps on the widget, the Droid X should open the Weather widget. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]. The user may further change the temperature units or add location when the weather widget is open. *Id.*  Weather Widget Settings on Droid X, Source: Droid X
wherein, the encapsulated network entity component is manifested as visual object	The '852 Accused Products include an encapsulated network entity component that is

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on a display screen of the computer and	manifested as a visual object on a display screen of the computer. • For example, in the Droid X, the weather widget is manifested as a visual object on the Droid X computer display screen. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Closed Weather Widget on Droid X, Source: Droid X
further wherein, the encapsulated network entity component is adapted for manipulation by a pointing device of the computer to display contents of the network resource on the screen by invoking the object-oriented software components integrated by the at least one identified network component.	The '852 Accused Products include an encapsulated network entity component that is adapted for manipulation by a pointing device of the computer to display contents of the network resource on the screen by invoking the object-oriented software components integrated by the at least one identified network component. • For example, when a user touches the weather widget on the Droid X, the Droid X responds by invoking the object-oriented software comprising the weather widget, and displaying the contents of the widget on the Droid X's display. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.

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	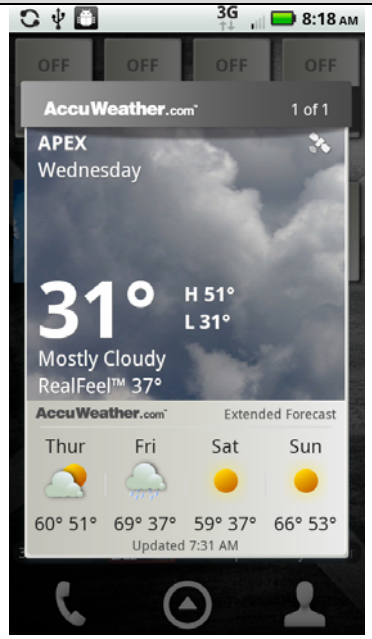 Open Weather Widget on Droid X, Source: Droid X
8. The apparatus of claim 7 further comprising: an operating system interfacing with the component architecture layer to control the operations of the computer; and a network component layer coupled to the component architecture layer to form a cooperating component computing arrangement.	The ’852 Accused Products include the apparatus of claim 7 further comprising an operating system interfacing with the component architecture layer to control the operations of the computer and a network component layer coupled to the component architecture layer to form a cooperating component computing arrangement. • For example, Android is composed of multiple layers, such as layers that include applications, application frameworks, core libraries, and the underlying Linux kernel, which interface with each other. *See* **Exh. J-10** [Android Developer Site - “What is Android?”]. Moreover, Android includes low level code that implements the basic Java class structure. This layer, which is implemented by the Dalvik Virtual Machine, interfaces with the operating system to control the operations of the computer. *Id.* Moreover, the Android software framework defines components, including network

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	components. In general, Android applications are composed of essential components that the system can instantiate and run as needed. *Id.* • For example, Android includes Java classes designed to access services directed to the computer network, such as the URLStreamHandler and URLConnection classes, along with the HttpURLConnection and JarURLConnection classes, which are subclasses of the URLConnection class. *See*, e.g., **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]; **Exh. J-7** [Android Developer Site - "java.net.URLStreamHandler"]; **Exh. J-8** [Android Developer Site - "java.net.URLConnection"]; **Exh. J-9** [Android Developer Site - "java.net.JarURLConnection"]. The combination of these classes defines the network component layer. The network component layer in Android is designed to be used in developing network navigation components, such as web browsers, email viewers, and similar applications, which provide services directed to the network. *See* **Exh. J-10** [Android Developer Site- "What is Android?"] Moreover, the network component layer and the component architecture layer in the '852 Accused Products are coupled in integrating relation to form a cooperating component computing arrangement. • For example, components within the software component architecture layer take advantage of the network-directed services provided by network components, thus coupling the component architecture layer and the network component layer in integrating relation. *See* **Exh. J-5** [Android Developer Site - "Application Fundamentals"].
9. The apparatus of claim 8 wherein the cooperating component computing arrangement generates the encapsulated network entity.	The '852 Accused Products include the apparatus of claim 8 wherein the cooperating component computing arrangement generates the encapsulated network entity. • For example, in the Droid X, the Android framework generates the weather widget, which encapsulates the weather data from the network. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.

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10. The apparatus of claim 9 wherein the reference to the network resource is a pointer that identifies the address of the network resource on a computer network.	The '852 Accused Products include the apparatus of claim 9 wherein the reference to the network resource is a pointer that identifies the address of the network resource on a computer network. • For instance, in the Droid X, the widget includes a pointer, for example, a uniform resource locator, that can be resolved to the network address of the network resource. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.
11. The apparatus of claim 10 wherein the pointer is a uniform resource locator.	The '852 Accused Products include the apparatus of claim 10 wherein the pointer is a uniform resource locator. • For example, the weather widget in the Droid includes a pointer, which is a uniform resource locator. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.
12. The apparatus of claim 11 wherein the uniform resource locator has a first portion that identifies the network resource and a second portion that specifies a means for accessing that resource.	The '852 Accused Products include the apparatus of claim 11 wherein the uniform resource locator has a first portion that identifies the network resource and a second portion that specifies a means for accessing that resource. • For example, in the Droid X, the uniform resource locator has a first portion that identifies the network resource and a second portion that specifies a means for accessing that resource. For example, if the uniform resource locator were http://www.accuweather.com, the first portion is accuweather.com and the second portion is http:// that specifies a means for accessing accuweather.com. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.
13. The apparatus of claim 11 wherein the uniform resource locator is a character string that describes a protocol used to address the network resource, a server on which the resource resides, a path to the resource and a resource filename.	The '852 Accused Products include the apparatus of claim 11 wherein the uniform resource locator is a character string that describes a protocol used to address the network resource, a server on which the resource resides, a path to the resource and a resource filename. • For example, in the Droid X, if the uniform resource locator were http:// www.accuweather.com/USNY0996, the protocol is http that is used to address

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	the network resource, the server would be accuweather.com on which the resource resides, and this includes a path to the resource and resource filename, www.accuweather.com/USNY0996. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.
15. Apparatus for efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component, the apparatus comprising:	The '852 Accused Products include an apparatus for efficiently accessing information from a network resource located on a computer network for display on a computer coupled to the network, the network resource having one or more associated data types, each data type being accessible by a corresponding object-oriented software component. The '852 Accused Products are computers coupled to a computer network. • For example, the Motorola Droid X includes a Texas Instruments OMAP3630-1000 1GHz processor. *See* **Exh. J-1** [Droid X by Motorola MotoDev Specs] and is capable of executing numerous computer programs such as email programs, web browsers, and instant messaging applications. *See* **Exh. J-2** [Droid X by Motorola Tech Specs]. Accordingly, the Droid X is a computer. Moreover, the '852 Accused Products are coupled to computer networks, such as the Internet via cellular and wireless networks. *Id.* The '852 Accused Products efficiently access information from a network resource. For example. the '852 Accused Products use widgets to allow a user to access information from a network resource and to display network information to a user. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8. A widget includes data located on the Internet of various types, such as text and images. Each such data type is accessible by a corresponding object-oriented software component. *See* **Exh. J-3** [Android Developer Site - "App Widgets"].
means for defining at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource;	The '852 Accused Products include means for defining at least one network component that integrates the object-oriented software components needed to access the one or more data types associated with the network resource. • For example, the means for defining at least one network component that

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	integrates the object-oriented software components needed to access the one or more data types associated with the network resource is the Android software framework, which is the low level code that implements the basic Java class structure. This layer is implemented by the Dalvik Virtual Machine. *See* **Exh. J-10** [Android Developer Site - "What is Android?"]. Moreover, Android framework is object-oriented; its applications are written using the Java programming language. *See* **Exh. J-5** [Android Developer Site - "Application Fundamentals"]. Moreover, the Android software framework defines components, including network components. In general, Android applications are composed of essential components that the system can instantiate and run as needed. *Id.* • For example, Android includes Java classes designed to access services directed to the computer network, such as the URLStreamHandler and URLConnection classes, along with the HttpURLConnection and JarURLConnection classes, which are subclasses of the URLConnection class. *See*, e.g., **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]; **Exh. J-7** [Android Developer Site - "java.net.URLStreamHandler"]; **Exh. J-8** [Android Developer Site - "java.net.URLConnection"]; **Exh. J-9** [Android Developer Site - "java.net.JarURLConnection"]. The combination of these classes defines the network component layer. The network component layer in Android is designed to be used in developing network navigation components, such as web browsers, email viewers, and similar applications, which provide services directed to the network. *See* **Exh. J-10** [Android Developer Site- "What is Android?"] • For example, the Droid X includes a weather widget, news application, and news and weather application, which integrate the object-oriented software components needed to access data types associated with the network resources. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]; *see also* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.

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	 Closed Weather Widget on Droid X, Source: Droid X
means for creating an encapsulated entity component containing a reference to a location of the network resource on the computer network, the encapsulated entity component also identifying the at least one network component that was defined for the network resource;	The ’852 Accused Products include means for creating an encapsulated entity component containing a reference to a location of the network resource on the computer network, the encapsulated entity component also identifying the at least one network component that was defined for the network resource. • For example, the means for creating an encapsulated entity component containing a reference to a location of the network resource on the computer network is the Android software architecture. • On information and belief, Droid X’s weather widget, for example, has at least one object corresponding to an encapsulated entity that contains a reference to a location of the network resource on the computer network. • For example, the weather widget contains the contents of a referenced network resource, such as a URL for a webpage, and can display the content on the Droid X display screen.

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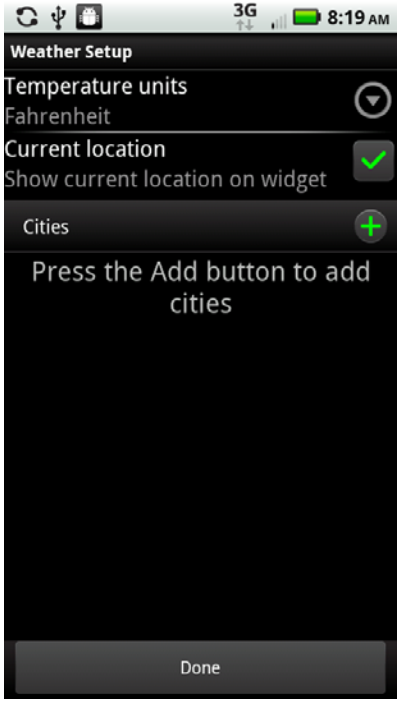
	Moreover, the weather widget on the Droid X, for example, also identifies the at least one network component that was defined for each of the network resources. • For instance, the weather widget in the Motorola Droid X defines that, when a user taps on the widget, the Droid X should open the Weather widget. *See* **Exh. J-3** [Android Developer Site - "App Widgets"]. The user may further change the temperature units or add location when the weather widget is open. *Id*.  Open Weather Widget on Droid X, Source: Droid X
means for storing the encapsulated entity component as a visual object on the computer; and	The '852 Accused Products include means for storing an encapsulated entity component as a visual object on the computer. • For example, the means for storing an encapsulated entity component as a visual object on the computer in the Droid X is the RAM. *See* **Exh. J-1** [Droid X by

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	Motorola MotoDev Specs]. The Droid X stores the weather widget as a visual object on its screen. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Closed Weather Widget on Droid X, Source: Droid X
means, responsive to manipulation of the visual object with a pointing device, for displaying contents of the network resource on a screen of the computer by invoking the object-oriented software components integrated by the at least one identified network component.	The '852 Accused Products include means, responsive to manipulation of a visual object with a pointing device, for displaying the contents of the network resource on the screen of the computer by invoking the object-oriented software components integrated by the at least one identified network component. • For example, the means, responsive to manipulation of a visual object with a pointing device, for displaying the contents of the network resource on the screen of the computer by invoking the object-oriented software components integrated by the at least one identified network component in Android is Window Manager. *See* **Exh. J-10** [Android Developer Site -"What is

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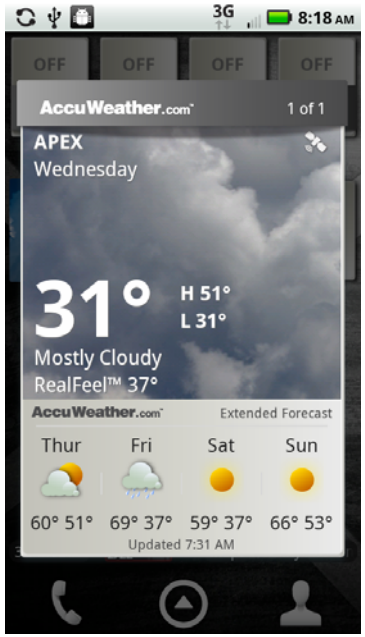
	Android?"]. In addition, when a user touches the weather widget on the Droid X, the Droid X responds by invoking a visual representation of the network resource, i.e., weather information displaying the information on the Droid X display. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.  Open Weather Widget on Droid X, Source: Droid X
16. The apparatus of claim 15 wherein the means for displaying comprises means for invoking a first network component for displaying the contents of the referenced network resource on the screen, the first network component comprising a browsing component.	The '852 Accused Products include the apparatus of claim 15 wherein the means for displaying comprises means for invoking a first network component for displaying the contents of the referenced network resource on the screen, the first network component comprising a browsing component. • For example, the means for invoking a first network component for displaying the contents of the referenced network resource on the screen is the Android software architecture.

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	In addition, the weather widget in the Droid X is invoked for displaying the contents of a referenced network resource, such as a URL for a webpage, on the Droid X display screen and the widget comprises a browsing component. *See* **Exh. J-4** [Droid X By Motorola User Guide] at p.8.
17. The apparatus of claim 16 wherein the means for displaying further comprises means for invoking a second network component for transfering [sic] the contents of the referenced network resource to the first network component, the second network component comprising a data stream component.	The '852 Accused Products include the apparatus of claim 16 wherein the means for displaying further comprises means for invoking a second network component for transferring the contents of the referenced network resource to the first network component, the second network component comprising a data stream component. • For example, the means for invoking a second network component for transferring the contents of the referenced network resource to the first network component is the Android software framework. In addition, Android's architecture includes Java classes designed to access services directed to the computer network, such as the HttpURLConnection class. *See* **Exh. J-6** [Android Developer Site - "java.net.HttpURLConnection"]. The HttpURLConnection class includes network components, and can be considered a second network component. *Id.*. In the Droid X, the HttpURLConnection transfers contents of the reference network resource to the widget, and the HttpURLConnection comprises a data stream. *See id.*; *see also* **Exh. J-3** [Android Developer Site - "App Widgets"].
18. The apparatus of claim 17 further comprising means for creating objects for communication among the encapsulated entity and network components through application programming interfaces.	The '852 Accused Products include the apparatus of claim 17 further comprising means for creating objects for communication among the encapsulated entity and network components through application programming interfaces. • For example, the means for creating objects for communication among the encapsulated entity and network components through application programming interfaces is the Android software framework.
19. The apparatus of claim 18 wherein the means for creating comprises means for constructing the encapsulated entity component from an Item objected defined by an Item object class.	The '852 Accused Products include the apparatus of claim 18 wherein the means for creating comprises means for constructing the encapsulated entity component from an Item objected defined by an Item object class. • For example, the means for constructing the encapsulated entity component

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	from an Item objected defined by an Item object class is the Android software framework.