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(12) **United States Patent**
Veditz

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(45) **Date of Patent: Jan. 13, 2009**

(54) **SELF-CONTAINED APPLICATIONS THAT ARE APPLIED TO BE RECEIVED BY AND PROCESSED WITHIN A BROWSER ENVIRONMENT AND THAT HAVE A FIRST PACKAGE THAT INCLUDES A MANIFEST FILE AND AN ARCHIVE OF FILES INCLUDING A MARKUP LANGUAGE FILE AND SECOND PACKAGE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.**
G06F 15/16 (2006.01)

(52) **U.S. Cl.** **709/218**

(58) **Field of Classification Search** 709/201, 709/202, 219, 249, 218; 717/121, 162, 172, 717/177
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,617,526	A	*	4/1997	Oran et al.	715/779
5,727,156	A		3/1998	Herr-Hoyman et al.	709/219
5,790,793	A		8/1998	Higley	709/218
5,799,285	A		8/1998	Klingman	705/26
5,805,804	A	*	9/1998	Laursen et al.	
5,870,559	A		2/1999	Leshem et al.	709/224
5,870,767	A		2/1999	Kraft, IV	707/501.1
5,877,766	A	*	3/1999	Bates et al.	715/854
5,893,127	A		4/1999	Tyan et al.	707/513
5,905,248	A		5/1999	Russell et al.	235/462.15
5,913,215	A		6/1999	Rubinstein et al.	707/10
5,944,783	A	*	8/1999	Nieten	709/202
5,946,464	A	*	8/1999	Kito et al.	709/202
5,964,836	A	*	10/1999	Rowe et al.	709/221
5,968,116	A	*	10/1999	Day, II et al.	709/202
5,974,441	A	*	10/1999	Rogers et al.	
5,974,454	A	*	10/1999	Apfel et al.	
5,983,233	A	*	11/1999	Potonniee	
5,999,940	A	*	12/1999	Ranger	
6,009,456	A	*	12/1999	Frew et al.	709/202

(Continued)

OTHER PUBLICATIONS

R. Englander, "Developing Java Beans", Book Overview Section, p. 1, O'Reilly, Jun. 1997.*

(Continued)

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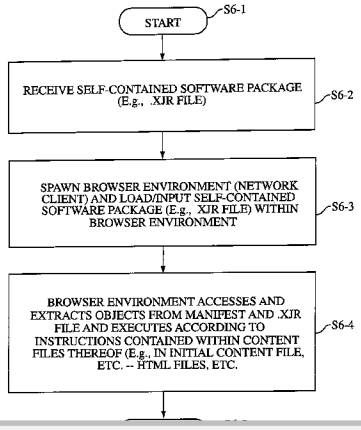
(57) **ABSTRACT**

An implementation of a self-contained application may be distributed and automatically executed within a network client environment, such as within a web browser environment. The implementation of the self-contained application includes a first package that includes a manifest and an archive of files. The archive of files includes a markup language file that is the initial file to be processed and that includes instructions for initiating execution of the application. In the implementation, the archive of files also includes other files needed to execute the application and a second package that may be of the same type as the first package. The manifest file includes an initial file identifier that instructs the application to process the markup language initial file before processing the other files.

42 Claims, 6 Drawing Sheets



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U.S. PATENT DOCUMENTS

6,029,175	A *	2/2000	Chow et al.	
6,041,342	A *	3/2000	Yamaguchi	709/202
6,047,323	A *	4/2000	Krause	
6,049,819	A *	4/2000	Buckle et al.	709/202
6,052,531	A *	4/2000	Waldin et al.	717/170
6,065,024	A *	5/2000	Renshaw	715/513
6,092,178	A *	7/2000	Jindal et al.	
6,112,023	A *	8/2000	Dave et al.	
6,115,040	A *	9/2000	Bladow et al.	715/741
6,202,207	B1 *	3/2001	Donohue	
6,216,212	B1 *	4/2001	Challenger et al.	
6,314,565	B1 *	11/2001	Kenner et al.	
6,347,398	B1 *	2/2002	Parthasarathy et al.	
6,351,816	B1 *	2/2002	Mueller et al.	713/176
6,385,643	B1 *	5/2002	Jacobs et al.	709/203
6,397,220	B1 *	5/2002	Deisinger et al.	707/102
6,430,739	B1 *	8/2002	Ballard	717/100
6,587,836	B1 *	7/2003	Ahlberg et al.	705/26
6,623,527	B1 *	9/2003	Hamzy	715/513
6,839,733	B1 *	1/2005	Lange et al.	709/202
2001/0029605	A1 *	10/2001	Forbes et al.	717/11

OTHER PUBLICATIONS

R. Englander, "Developing Java Beans", Section 6.1, pp. 1-2, O'Reilly, Jun. 1997.*
R. Englander, "Developing Java Beans", Section 6.2, pp. 1-3, O'Reilly, Jun. 1997.*
R. Englander, "Developing Java Beans", Section 6.3, p. 1, O'Reilly, Jun. 1997.*
R. Englander, "Developing Java Beans", Section 6.4, p. 1, O'Reilly, Jun. 1997.*
R. Englander, "Developing Java Beans", Section 6.5, p. 1, O'Reilly, Jun. 1997.*
R. Englander, "Developing Java Beans", Section 1.2.2, pp. 1-2, O'Reilly, Jun. 1997.*
Netscape Smartupdate (Press Release 1). http://wp.netscape.com/newsref/pr/newsrelease461.html. Aug. 18, 1997. pp. 1-3.*
Netscape Smartupdate (Press Release 2). http://cgi.netscape.com/newsref/pr/newsrelease523.html. Nov. 3, 1997. pp, 1-3.*
Netscape Smartupdate Jar Support. microsoft.public.inetexplorer.ie4.java_applets. Andrew Spyker. http://groups.google.com/group/mircosoft.public.inetexplorer.ie4.java_applets/browse_thread/thread/2ebc647eee3b4cb7/dfe3e90a4a55e6e0?lnk=st&q=locally+install+java+applet+support#dfe3e90a4a55e6e0. Sep. 25, 1997. pp. 1-2.*
Nesting CAB Files. microsoft.public.java.cab. http://groups.google.com/group/microsoft.public.java.cab/browse_thread/thread/5c7c5a123e14dec8/4eb1530cd9d33b01?ink=st&q=create+cab+within+cab#. Mar. 6-25, 1998. pp. 1-7.*
"JAR File Format" retrieved via the Internet and World-Wide-Web at http://java.sun.com/docs/books/tutorial/post1.0/whatnew/jar.html on Sep. 22, 1998 at 1:55pm, p. 1 of 1.
"The Java Archive (JAR) File Format" retrieved via the Internet and World-Wide-Web at http://java.sun.com/docs/books/tutorial/jar/index.html on Sep. 22, 1998 at 1:55pm, pp. 1-2.
"Using JAR Files: The Basics" retrieved via the Internet and World-Wide-Web at http://java.sun.com/docs/books/tutorial/jar/basics/index.html on Sep. 22, 1998n at 1:56 pm, pp. 1-2..
"Modifying a Manifest File" retrieved via the Internet and World-Wide-Web at http://java.sun.com/docs/books/tutorial/jar/basics/mod.html on Sep. 22, 1998 at 1:56 pm, pp. 1-3.
"Understanding the Manifest" retrieved via the Internet and World-wide-Web at http://java.sun.com/docs/books/tutorial/jar/basics/manifest.html on Sep. 22, 1998 at 1:58pm, pp. 1-4.
"Manifest Format" retrieved via the Internet and World-Wide-Web at http://java.sun.com/products/jdk/1.2/docs/guide/jar/manifest.html on Sep. 22, 1998 at 2:12pm, pp. 1-7.
"JAR file (Java Archive file)" retrieved via the Internet and World-Wide-Web at http://whatis.com/jar.htm on Sep. 22, 1998 at 2:13pm, p. 1 of 1.

* cited by examiner

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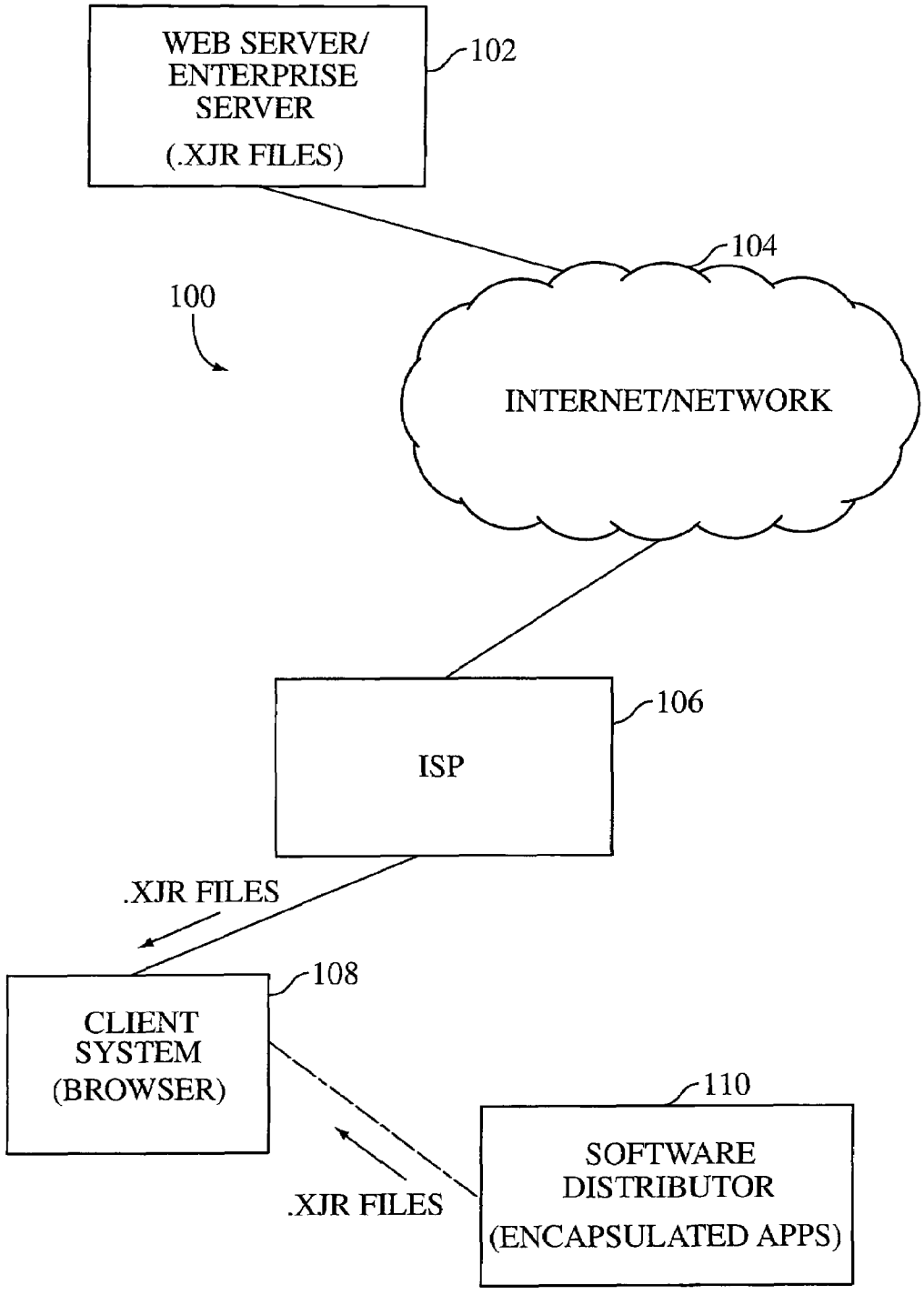

FIG. 1

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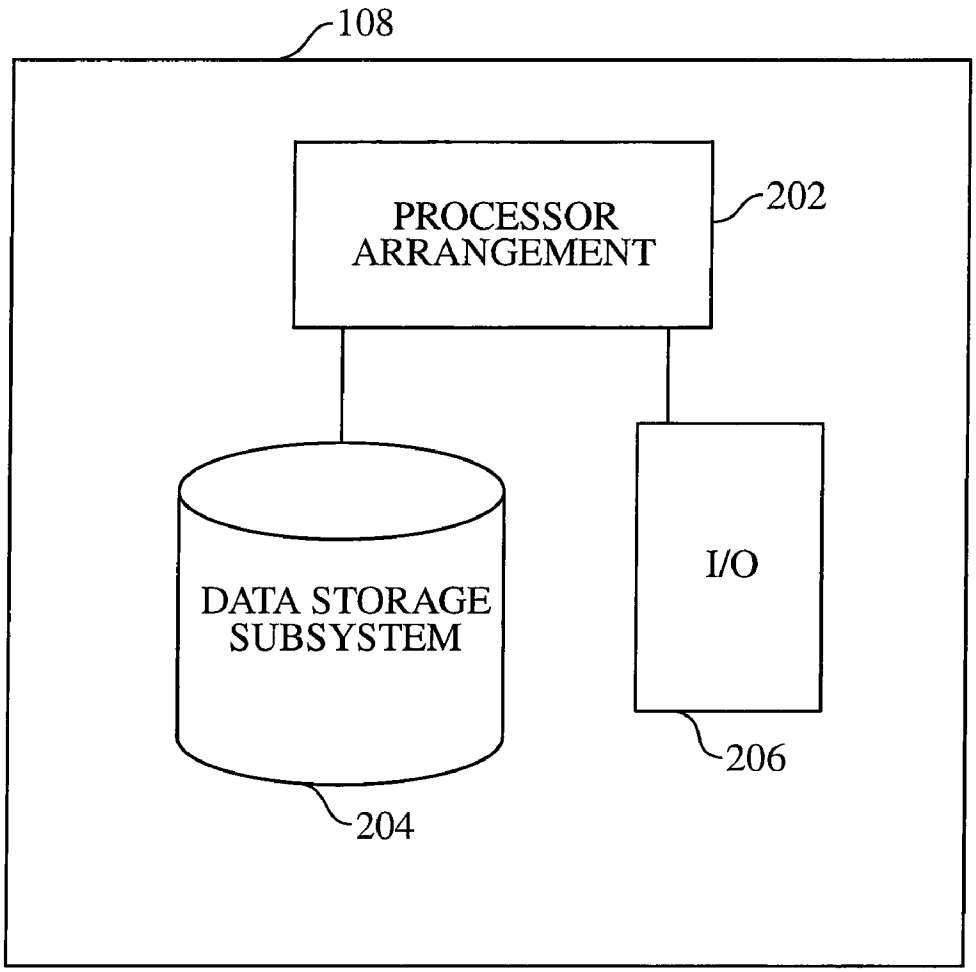

FIG. 2

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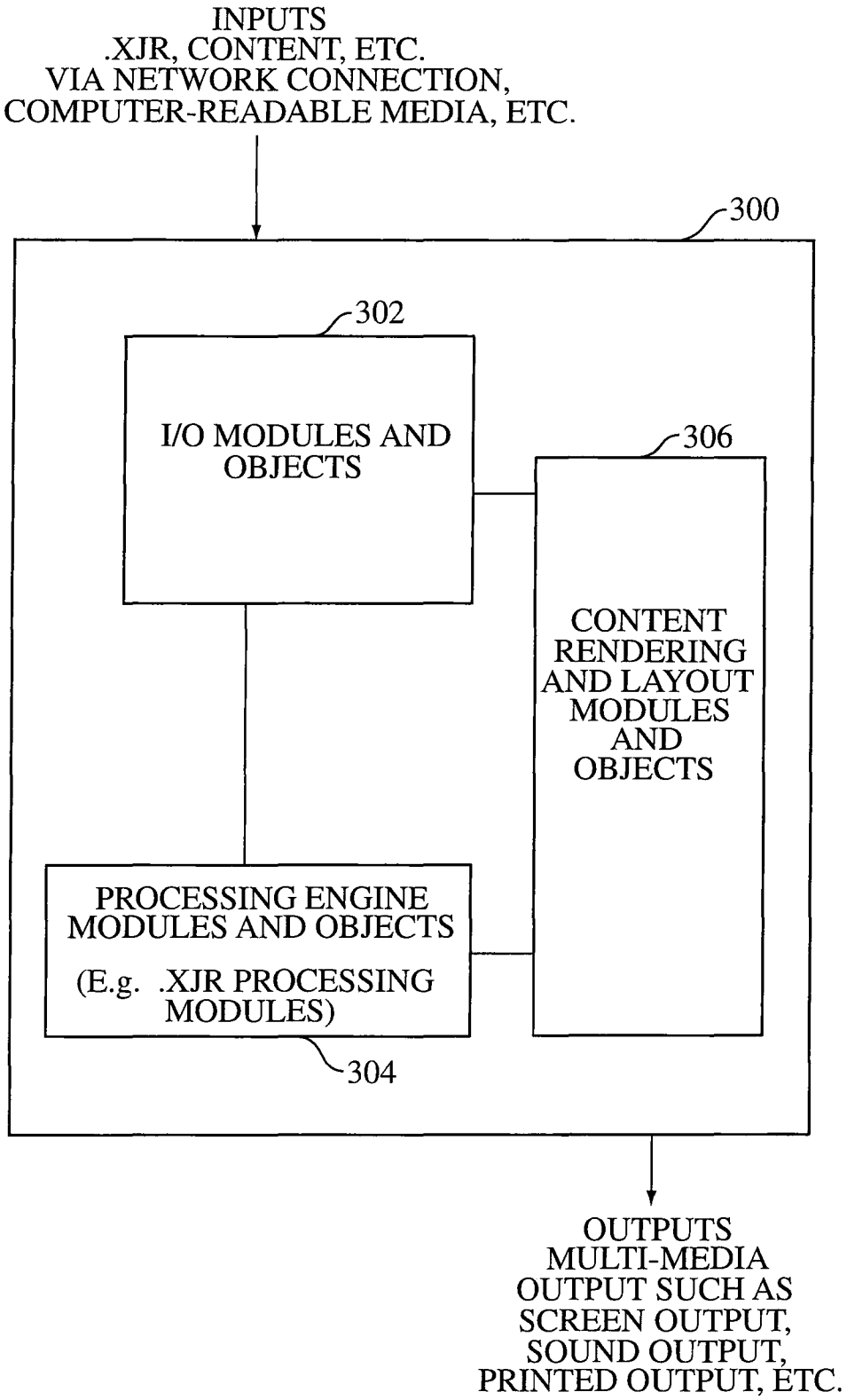

FIG. 3

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