

(12) United States Patent

Razavi et al.

US 6,401,134 B1 (10) Patent No.:

(45) Date of Patent: Jun. 4, 2002

(54) DETACHABLE JAVA APPLETS

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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.

(21) Appl. No.: 08/910,481

Jul. 25, 1997 (22) Filed:

(51)

(52)**U.S. Cl.** 709/310; 345/808

345/163, 700, 764, 804, 808; 709/200,

310–332; 707/513

(56)References Cited

U.S. PATENT DOCUMENTS

4,931,783 A	* 6/1990	Atkinson	345/163
5,742,768 A	* 4/1998	Gennaro et al	709/200
5,802,530 A	* 9/1998	Van Hoff	707/513
5,818,445 A	* 10/1998	Sanderson et al	345/334
5,870,091 A	* 2/1999	Lazarony et al	345/346
5,923,326 A	* 7/1999	Bittinger et al	345/340

OTHER PUBLICATIONS

David Mitchell, :Leveraging your Visual C++ experience on the Internet with thin client technology, Microsoft Systems Journal, v11,n12,p47(13), 12/96.*

Lisa Nadile, "Microsoft expanding OCX: readies detachable, embeddable applets for the Internet", PC Week, v13, n8, p6(1) 2/96.*

Jugel et al; "The Java Telnet applet: documentation", 1996.* Morrison et al, Java Unleashed, 12/96.*

Afergan et al., Web programming desktop reference, chap. 14, 1996.*

Gosling et al, Java API documentation, version 1.0.2, 1996.* Jamie Jaworski, JAVA Developer Guide, chapters 1,15,16, 19,31, and appendix, 1996.*

Warth et al, User's guide to JDK (beta 1.0): applet; Oct. 24,

author unknown, Java API documentation, Feb. 22, 1996.*

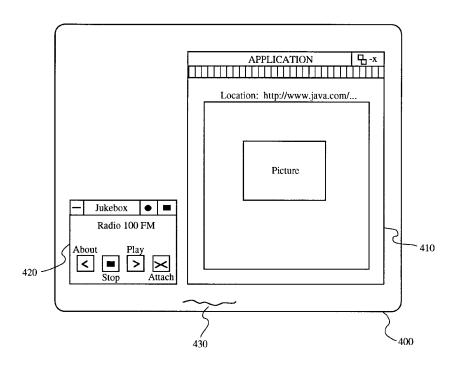
* cited by examiner

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ABSTRACT (57)

A method and system is disclosed for detaching Java applets from the constraints of the application such as a browser which provides the Java engine for executing those applets. Thus, the applets, when detached, can appear in a detached window which is more easily controllable by the operating environment desktop. The Java applets continue to run under the application's virtual machine but do so without regard to the graphical interface limits of the application. Further, if the application that launched the applet proceeds to a new URL location, the Java applet continues to run. Also, the applet, once detached, can be reattached into the application to appear in the application history.

20 Claims, 7 Drawing Sheets





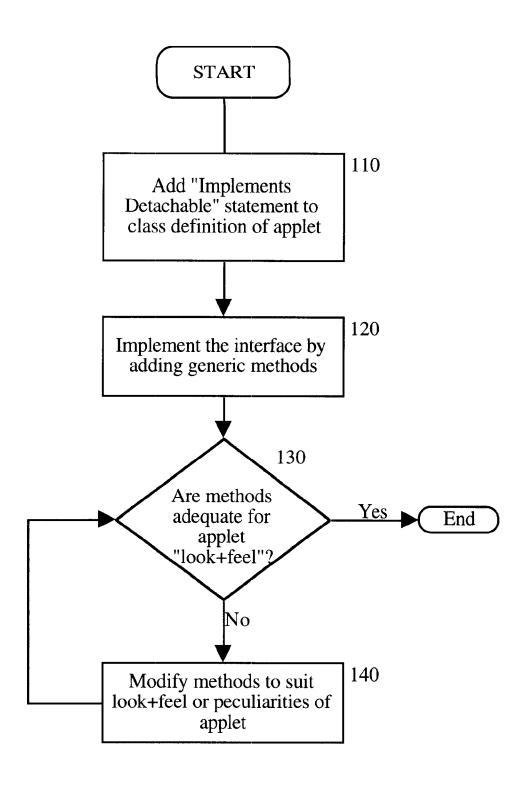


FIGURE 1



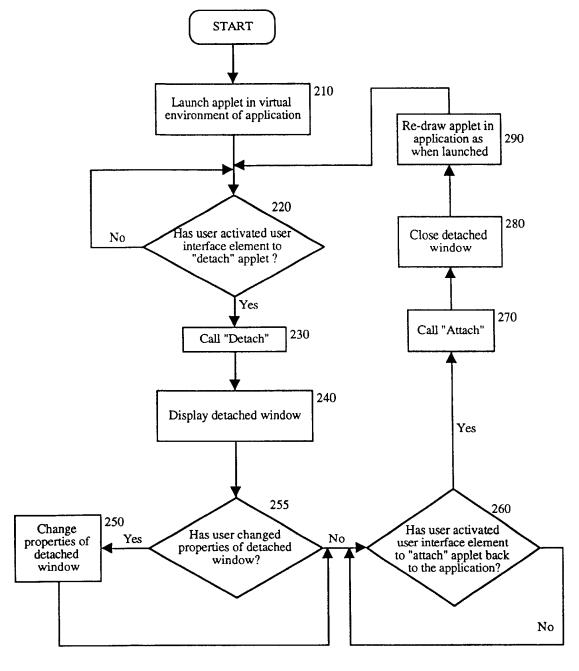
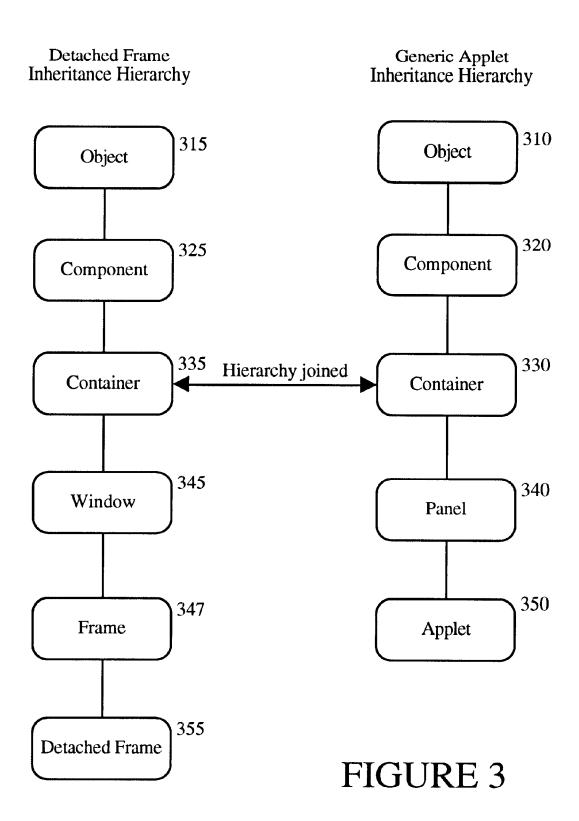
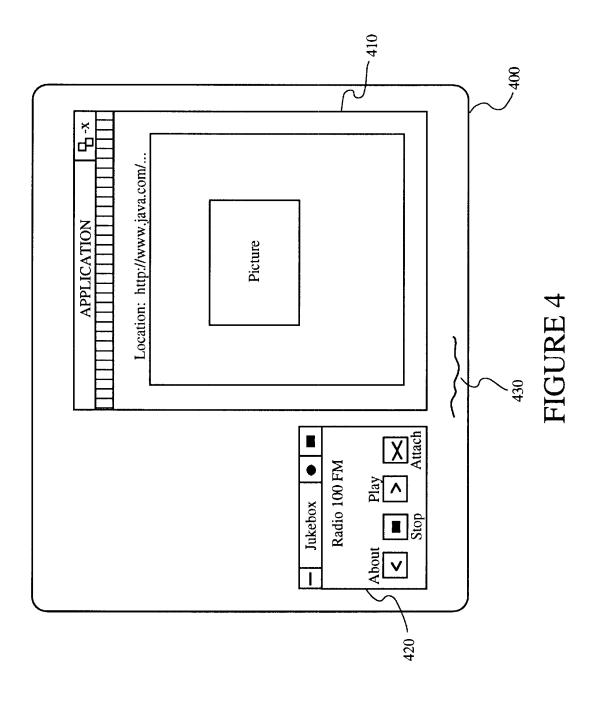


FIGURE 2









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