



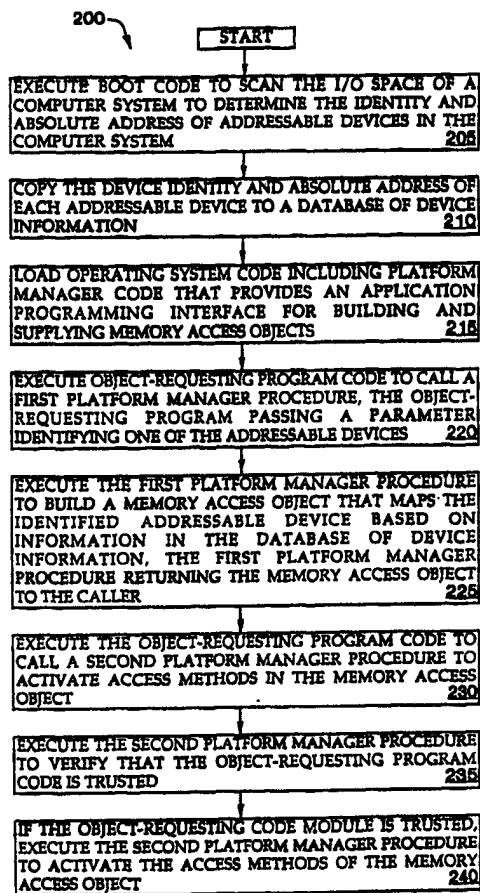
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/US98/11267 (22) International Filing Date: 2 June 1998 (02.06.98) (30) Priority Data: 08/869,659 5 June 1997 (05.06.97) US (71) Applicant: SUN MICROSYSTEMS, INC. [US/US]; 2250 Garcia Avenue, Mountain View, CA 94043 (US). (72) Inventors: SAULPAUGH, Thomas; 6938 Bret Harte Drive, San Jose, CA 95120 (US). BOHMAN, David, E., II; 1200 Washington Street #5, San Francisco, CA 94108 (US). (74) Agents: HYMAN, Eric, S. et al.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025-1026 (US).</p>	<p>(81) Designated States: JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 25 March 1999 (25.03.99)</p>	

(54) Title: APPARATUS AND METHOD FOR SECURE DEVICE ADDRESSING

(57) Abstract

A method for securely accessing a peripheral device at an absolute address is disclosed. A computer program (200) is executed to request from an operating system a memory access object including a procedure (205) executable to address the peripheral device at the absolute address. An operating system procedure (215) is executed to provide the memory access object to the computer program if a value associated with the computer program indicates that the computer program (235) is trusted to perform absolute addressing. If the operating system procedure (225) provides the memory access object to the computer program, the computer program is executed to invoke the memory access object procedure (240) to address the peripheral device at the absolute address.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/11267

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : G06F 11/00, 9/45, 12/10, 13/00, 15/16, 9/22 US CL : 395/800, 275, 325; 364/200 According to International Patent Classification (IPC) or to both national classification and IPC		
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X	US 4,173,783 A (COULEUR et al.) 06 November 1979, col.15, lines 22-28; col.4, lines 19-35, col.15, lines 20-27; col.14, line 65-col.15, line 28; col.16, line 67-col.17, line 32, col.12, line 59-col.13, line 40.	1-21
X	~ US 4,868,738 A (KISH et al.) 19 September 1989, col.8, lines 57-68.	13
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