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Rozman et al.

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- (54) **SYSTEM AND METHOD FOR PROTECTING A COMPUTER SYSTEM FROM MALICIOUS SOFTWARE** 5,673,403 A * 9/1997 Brown et al. 715/744
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- (*) Notice: This patent is subject to a terminal disclaimer.

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Architecture of Virtual Machines by R. P. Goldberg, Honeywell Information Systems, Inc. and Harvard University presented at the AFIPS National Computer Conference, New York, New York, Jun. 4-8, 1973.

Reissue of:

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- G06F 12/14** (2006.01)
- G06F 12/16** (2006.01)
- G08B 23/00** (2006.01)

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(52) **U.S. Cl.** **713/152; 713/151; 726/22; 726/23; 726/24**

(58) **Field of Classification Search** **726/22–24; 713/152, 151; 709/225**

See application file for complete search history.

ABSTRACT

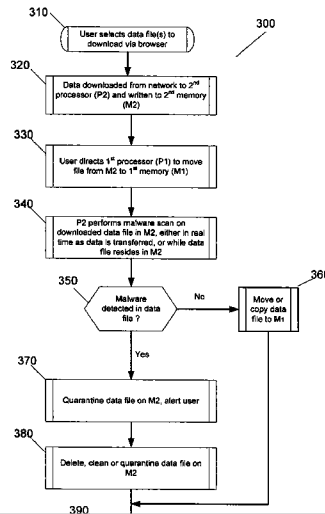
In a computer system, a first electronic data processor is communicatively coupled to a first memory space and a second memory space. A second electronic data processor is communicatively coupled to the second memory space and to a network interface device. The second electronic data processor is capable of exchanging data across a network of one or more computers via the network interface device. A video processor is adapted to combine video data from the first and second electronic data processors and transmit the combined video data to a display terminal for displaying the combined video data in a windowed format. The computer system is configured such that a malware program downloaded from the network and executing on the second electronic data processor is incapable of initiating access to the first memory space.

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73 Claims, 11 Drawing Sheets



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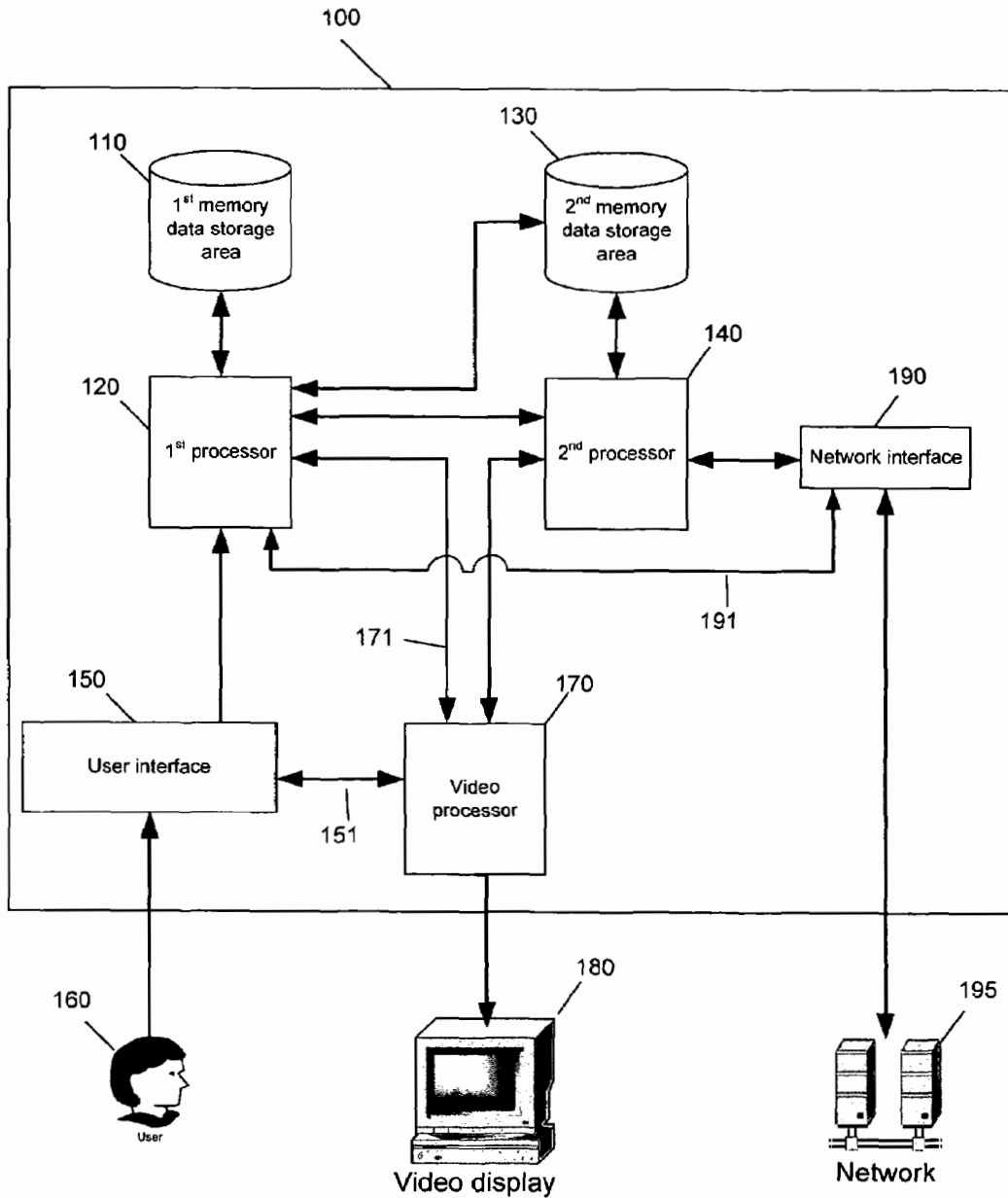


Fig. 1

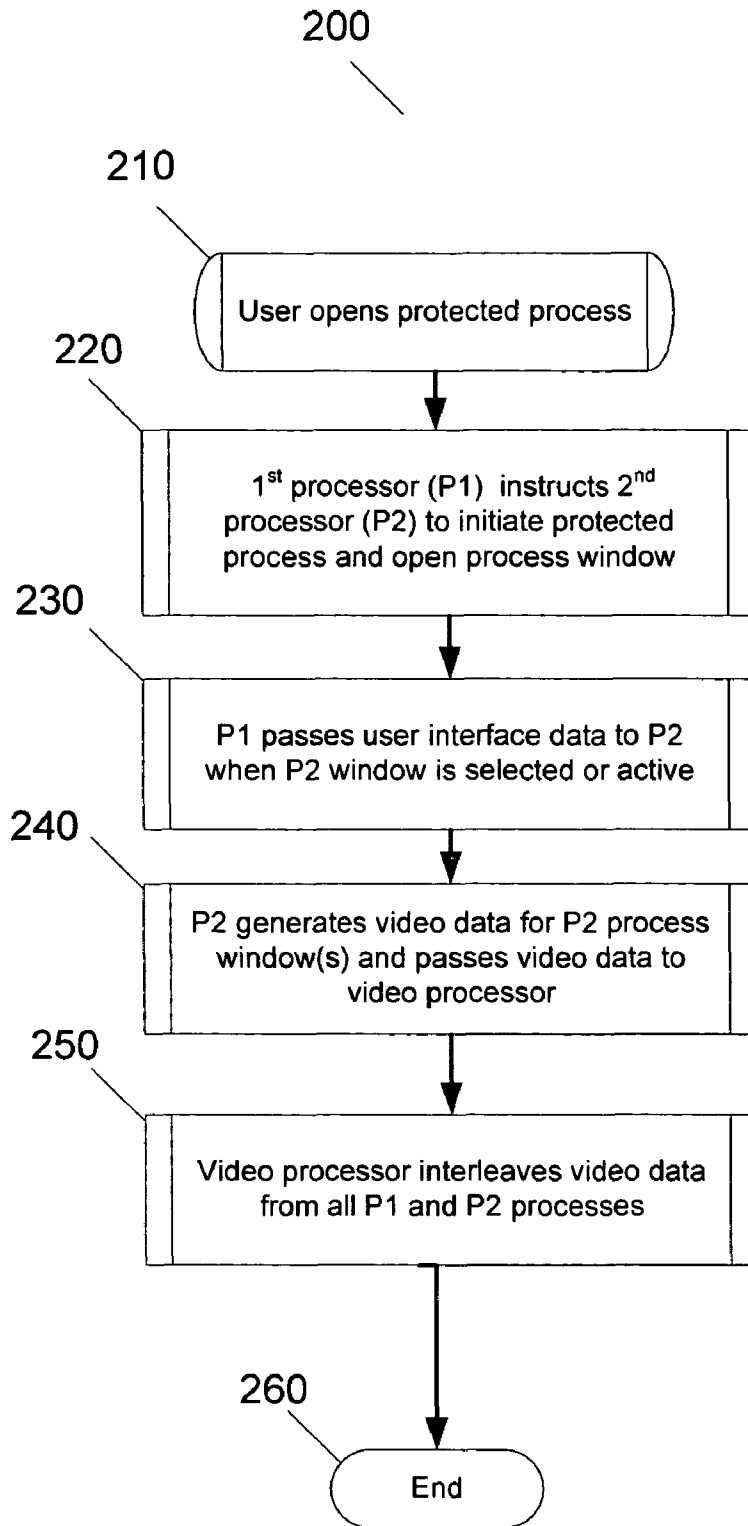


Fig. 2

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