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Stanley et al.

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[54] **METHOD AND APPARATUS FOR BACKGROUND PROCESSING FOR PCMCIA CARD SERVICES**

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[51] **Int. Cl.**[6] **G06F 9/00**

[52] **U.S. Cl.** **395/650**; 364/280; 364/281.3; 364/281.7; 364/DIG. 1

[58] **Field of Search** 395/275, 500, 395/700, 650; 364/280, 281.3, 281.7

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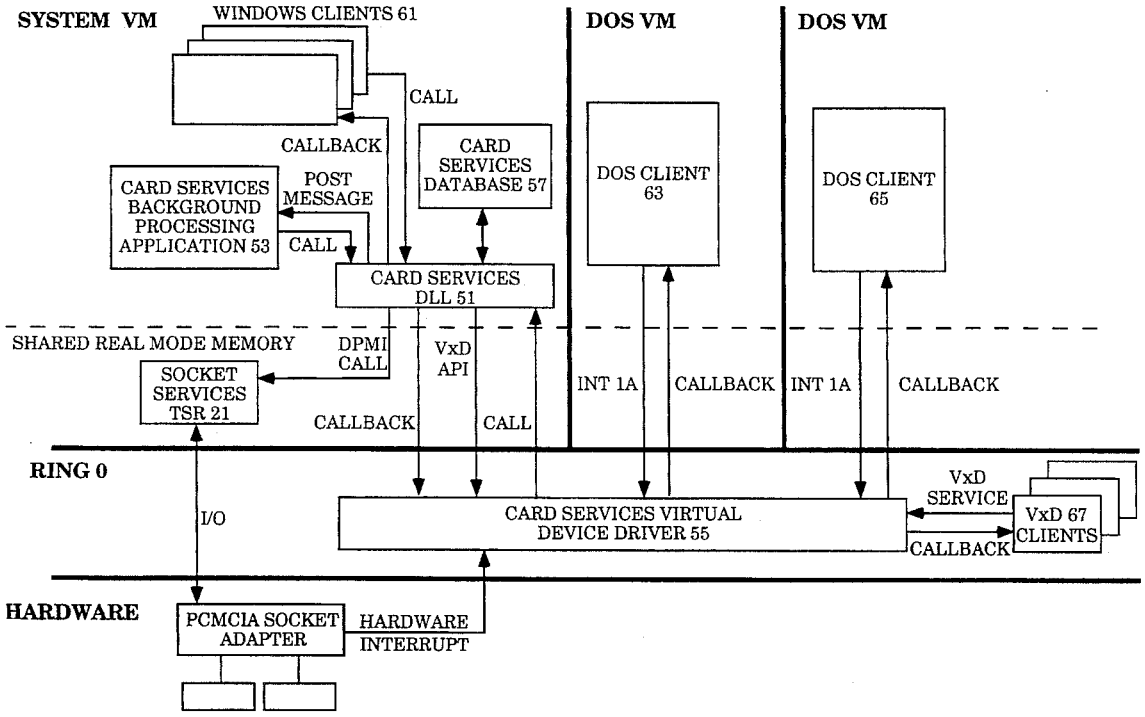
[57] **ABSTRACT**

Background processing for PCMCIA card service functions for registered Card Services clients includes a Card Services Background Processing Application and a Card Services dynamic link library (DDL) residing in the system VM, and a Card Services VxD residing in priority ring **0**. A request for a Card Services function is generated by a Card Services function requester. The Card Services function requester is either a Card Services Client or a PCMCIA socket adapter. In response to the request, the Card Services VxD sets-up a path between the Card Services function requester and the Card Services DLL. The Card Services DLL contains the Card Services functions, and the appropriate Card Service function is executed. If the Card Service function requested requires background processing, the Card Services DLL posts a message with the Card Services Background Processing Application. The Card Services DLL then acknowledges the request for Card Services function to the Card Services requester. Upon selection of the Card Services Background Processing Application as an active process, the message posted is processed by executing the appropriate card services function in the Card Services DLL and providing any necessary callbacks.

29 Claims, 6 Drawing Sheets