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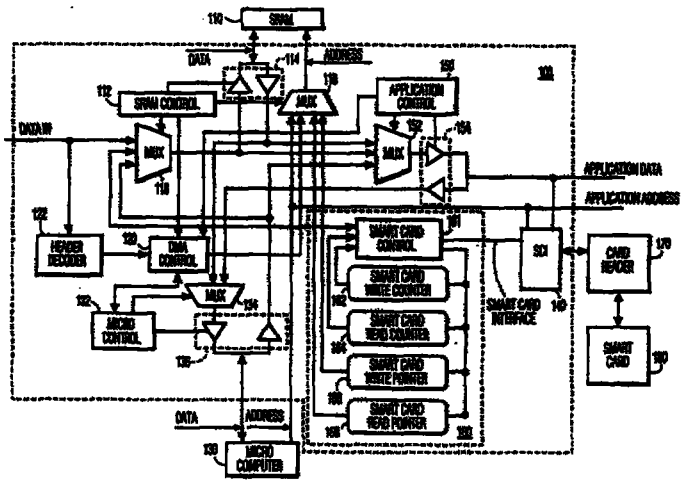
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(54) Title: SMART CARD MESSAGE TRANSFER WITHOUT MICROPROCESSOR INTERVENTION



(57) Abstract

A signal processing system includes a system control processor (130), an integrated circuit (IC) card (180), or smart card, for access control processing, system memory (110), and a smart card interface circuit (140) including a direct memory access interface circuit (100) for providing high speed access to the system memory (110). Data transfers between the smart card (180) and system memory (110) occur via the smart card interface circuit (140) and the direct memory access interface circuit (160). The system controller (130) initializes the smart card interface circuit (140) prior to a transfer and, after a transfer is complete, processes transferred data that is stored in system memory (110). Processing by the system controller (160) is not required during the transfer to complete the transfer. The smart card interface circuit (140) also filters the transferred data stream by checking and generating parity bits as required and removing smart card related control data from the data that is stored in memory.