

- [54] **REPROGRAMMABLE PCMCIA CARD AND METHOD AND APPARATUS EMPLOYING SAME**
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- [73] Assignee: **Data Translation, Inc.**, Mass.
- [21] Appl. No.: **397,390**
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- [51] Int. Cl.<sup>6</sup> ..... **G06F 13/10; G06F 15/177**
- [52] U.S. Cl. .... **395/828; 395/282; 395/283; 395/284; 395/822**
- [58] Field of Search ..... **395/889, 892, 395/282, 283, 284, 828, 830**

5,432,941	7/1995	Crick et al. ....	395/700
5,517,646	5/1996	Piccirillo et al. ....	395/700
5,535,331	7/1996	Swoboda et al. ....	395/183.21
5,548,759	8/1996	Lipe .....	395/600

**OTHER PUBLICATIONS**

Personal Computer Memory Card International Association, "PCMCIA PC Card Standard," P. i-ixx, 1-1-1-4, 2-1-2-4, 3-1-3-28, 4-1-4-38, Jul. 1993.  
 Bindra, *Electronic Engineering Times*, "FPGAs moving to boost DSP applications," Issue 837, Feb. 27, 1995.  
 Fuller, *Electronic Engineering Times*, "AT&T rolls 40,000-gate Orca FPGA," Issue 837, Feb. 27, 1995.  
 Romanchi, *Test & Measurement World*, "Portables Are Proliferating," pp. 41-44, Feb. 15, 1995.  
 Beachler et al., *Electronic Engineering Times*, "Reconfiguration Showing Promise," pp. T-41-T-44, Apr. 11, 1994.  
 Hutchings et al., *Electronic Engineering Times*, "Digital Signal Processing, Reconfiguring Speeds Up Computing," pp. 50-51, Oct. 17, 1994.

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

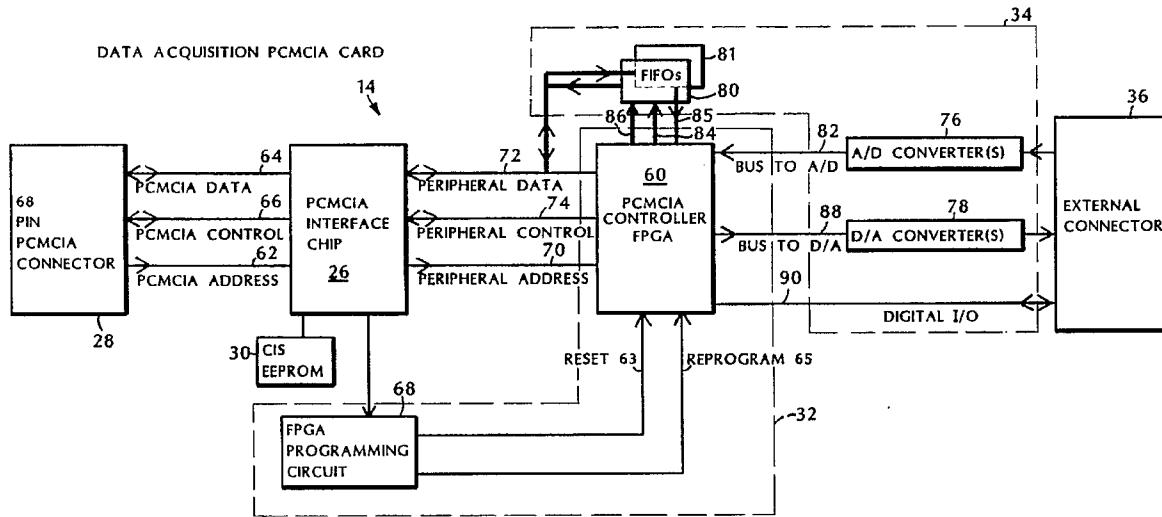
5,014,193	5/1991	Garner et al. ....	364/200
5,023,832	6/1991	Fulcher, Jr. et al. ....	364/900
5,034,813	7/1991	Dolazza et al. ....	358/138
5,257,387	10/1993	Richek et al. ....	395/800
5,263,148	11/1993	Jones, Jr. et al. ....	395/500
5,301,344	4/1994	Kolchinsky .....	395/800
5,302,947	4/1994	Fuller et al. ....	340/825
5,319,751	6/1994	Gamey .....	395/200
5,334,046	8/1994	Brouillette et al. ....	439/540
5,357,573	10/1994	Walters .....	380/25
5,428,748	6/1995	Davidson et al. ....	395/829

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[57] **ABSTRACT**

A PCMCIA card having an FPGA based card controller that is programmed with FPGA programming data stored on a host computer through a standard PCMCIA bus.

**26 Claims, 4 Drawing Sheets**



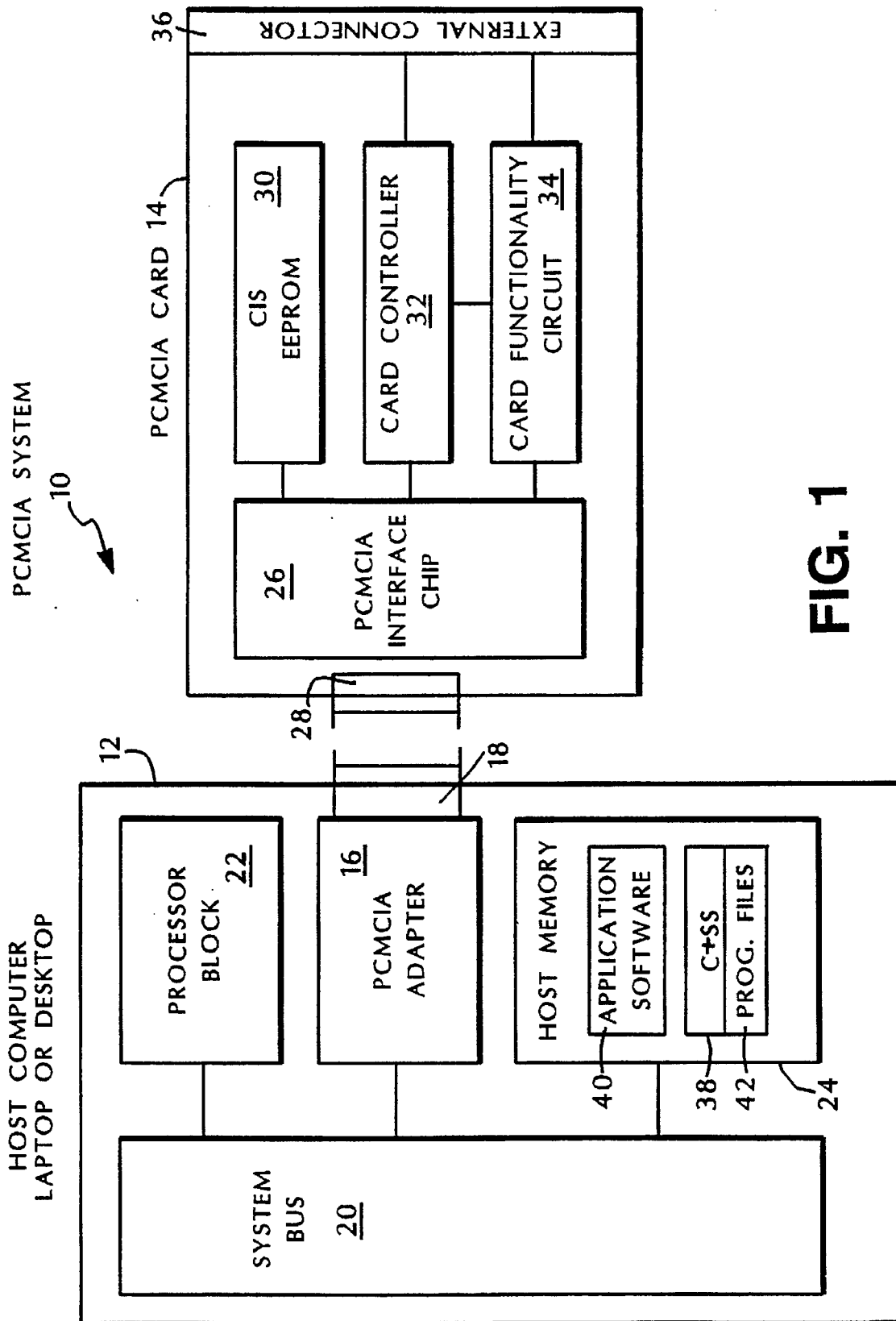


FIG. 1

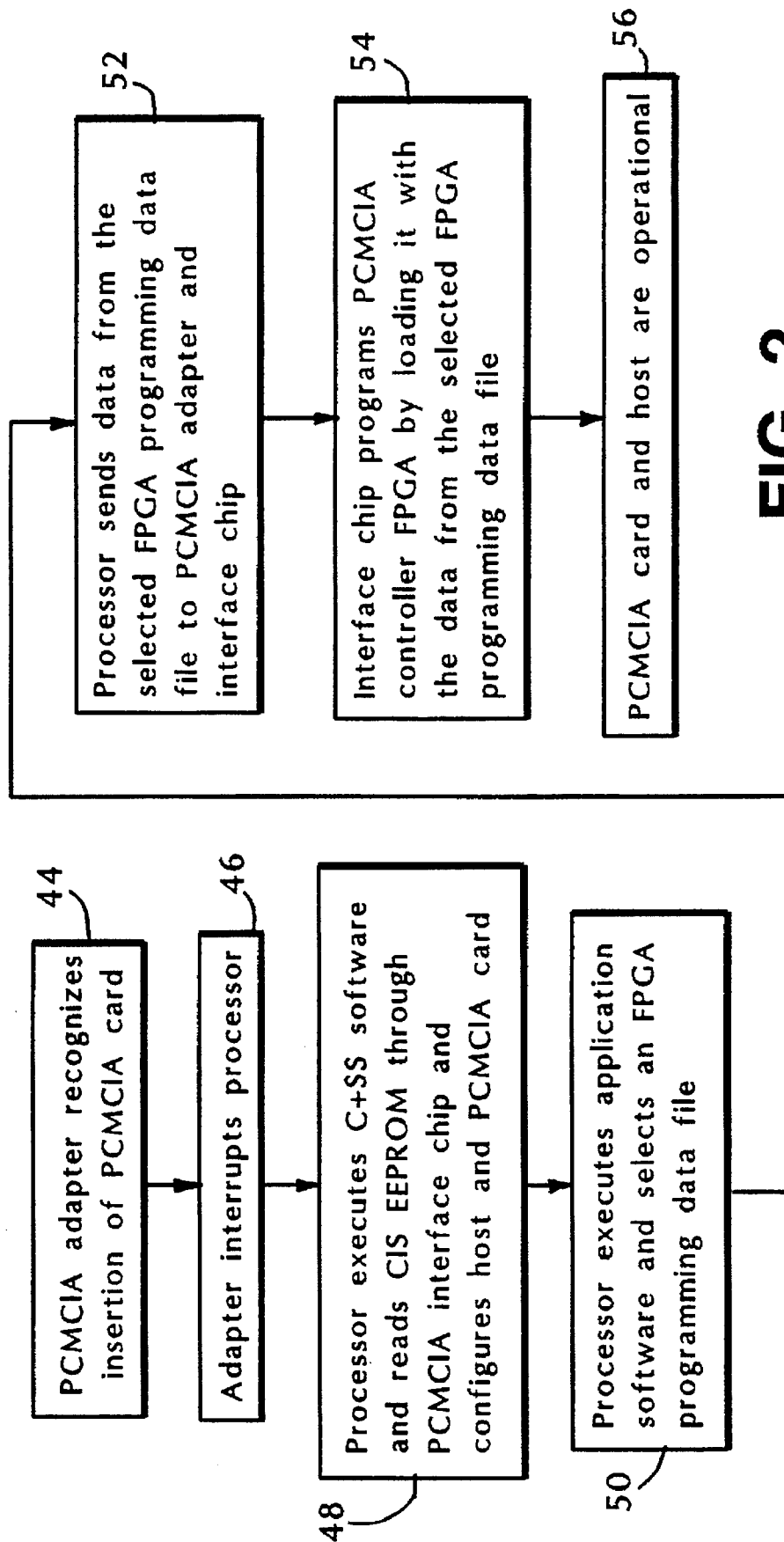


FIG. 2

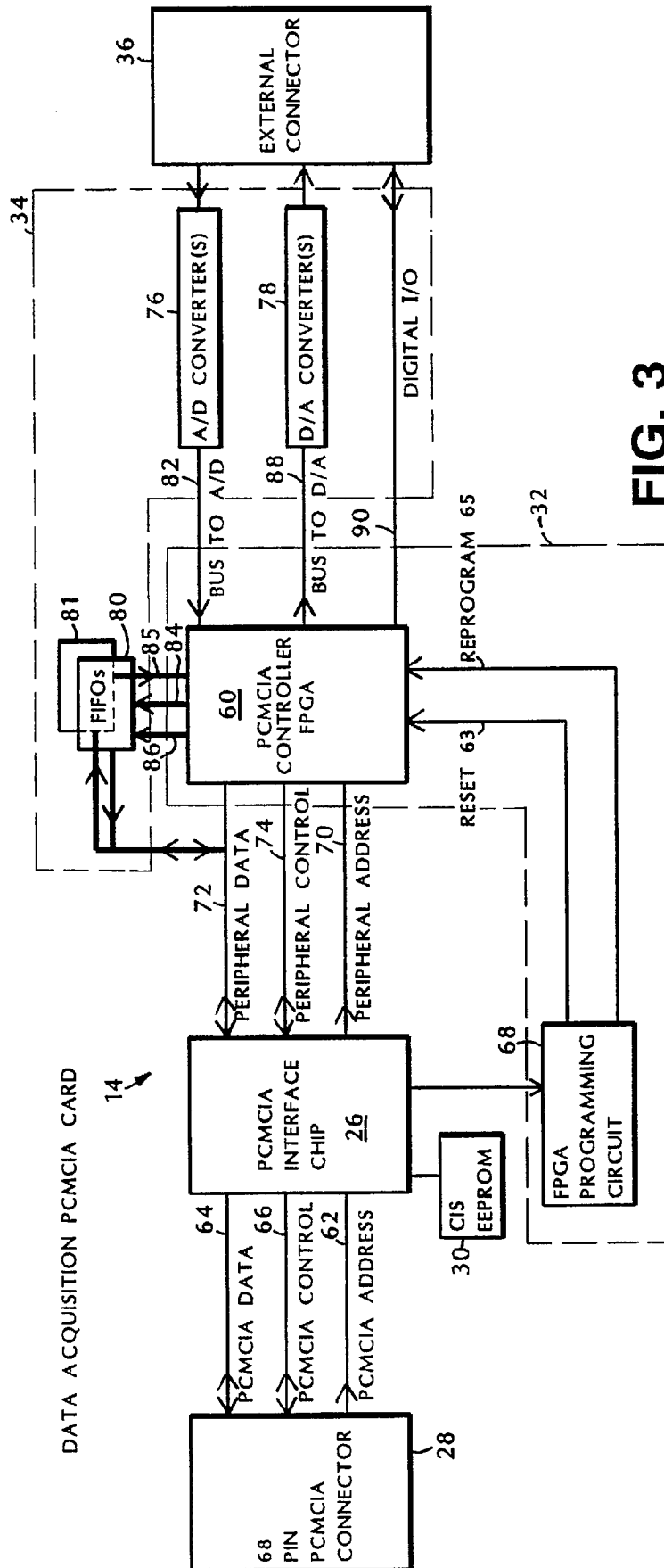
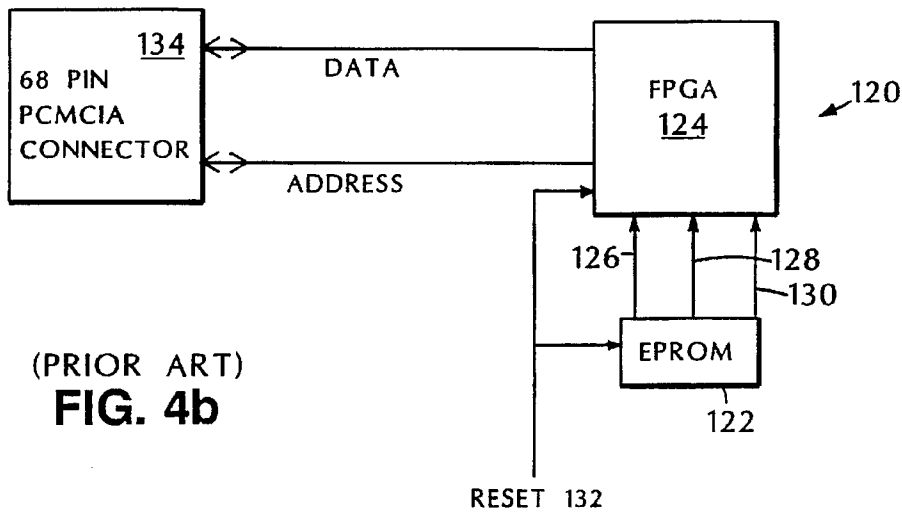
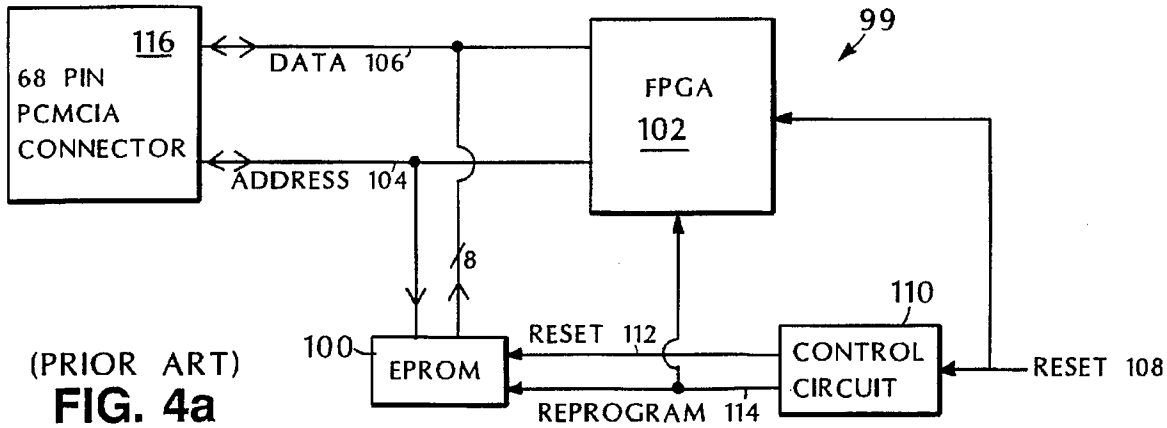


FIG. 3



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