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# United States Patent [19] Michelson

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[54] **REPROGRAMMABLE PCMCIA CARD AND METHOD AND APPARATUS EMPLOYING SAME**

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[75] Inventor: **Henry S. Michelson**, North Andover, Mass.

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[73] Assignee: **Data Translation, Inc.**, Mass.

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.

[21] Appl. No.: **397,390**

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[22] Filed: **Mar. 2, 1995**

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[51] Int. Cl.<sup>6</sup> ..... **G06F 13/10; G06F 15/177**

Romanchi, *Test & Measurement World*, "Portables Are Proliferating," pp. 41-44, Feb. 15, 1995.

[52] U.S. Cl. .... **395/828; 395/282; 395/283; 395/284; 395/822**

Beachler et al., *Electronic Engineering Times*, "Reconfiguration Showing Promise," pp. T-41—T-44, Apr. 11, 1994.

[58] Field of Search ..... **395/889, 892, 395/282, 283, 284, 828, 830**

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Primary Examiner—**Jack B. Harvey**

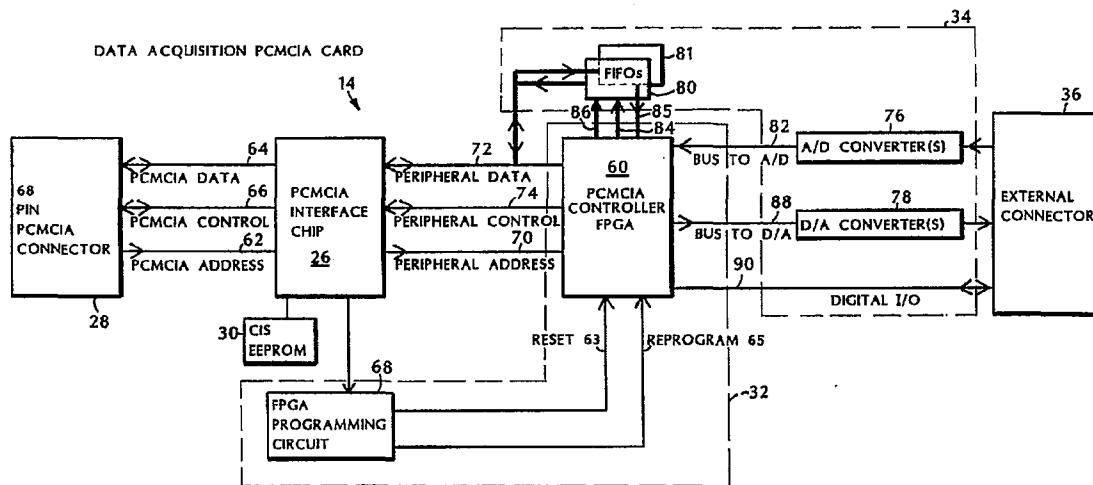
Assistant Examiner—**Jigar Pancholi**

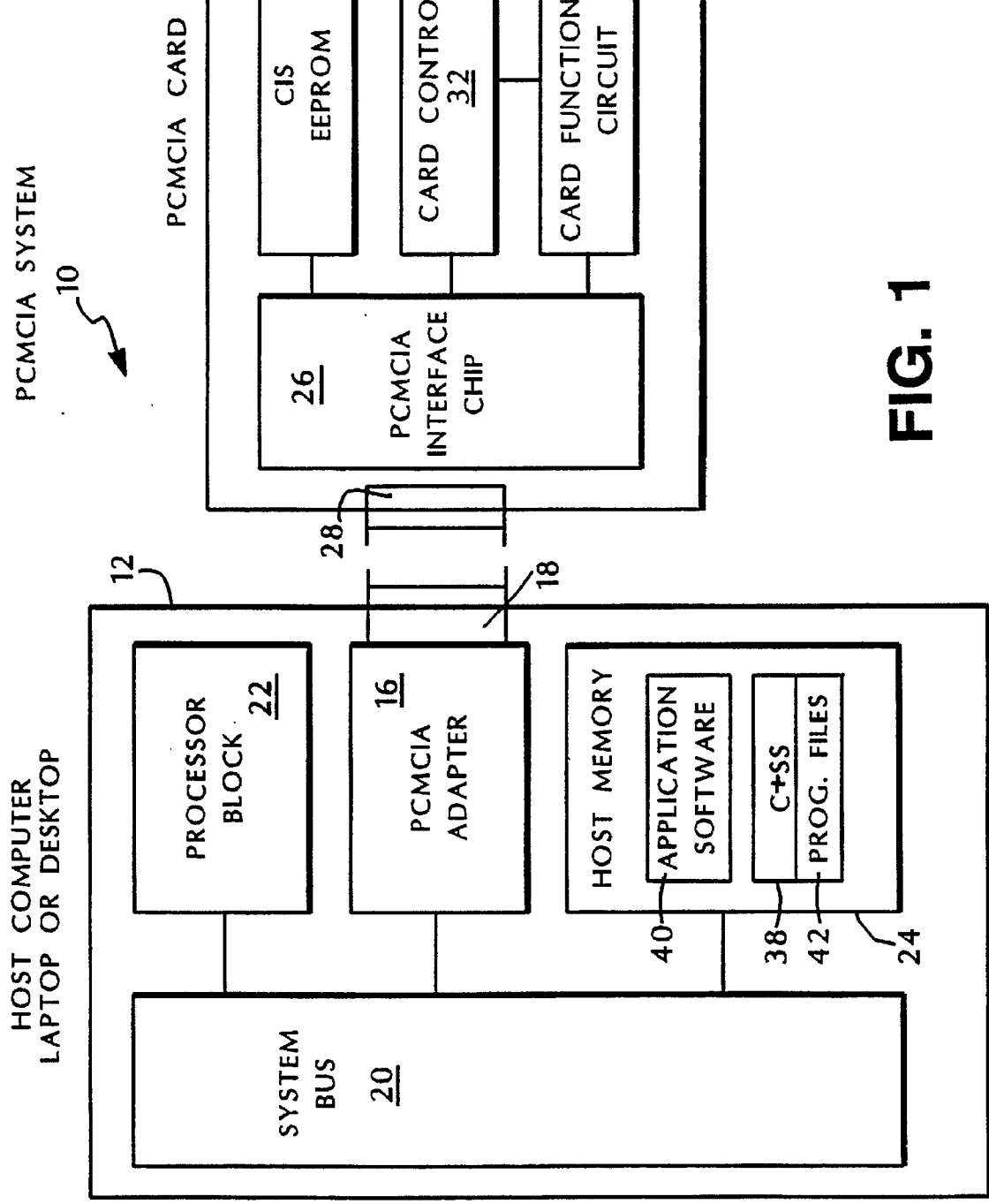
Attorney, Agent, or Firm—**Fish & Richardson P.C.**

### [57] ABSTRACT

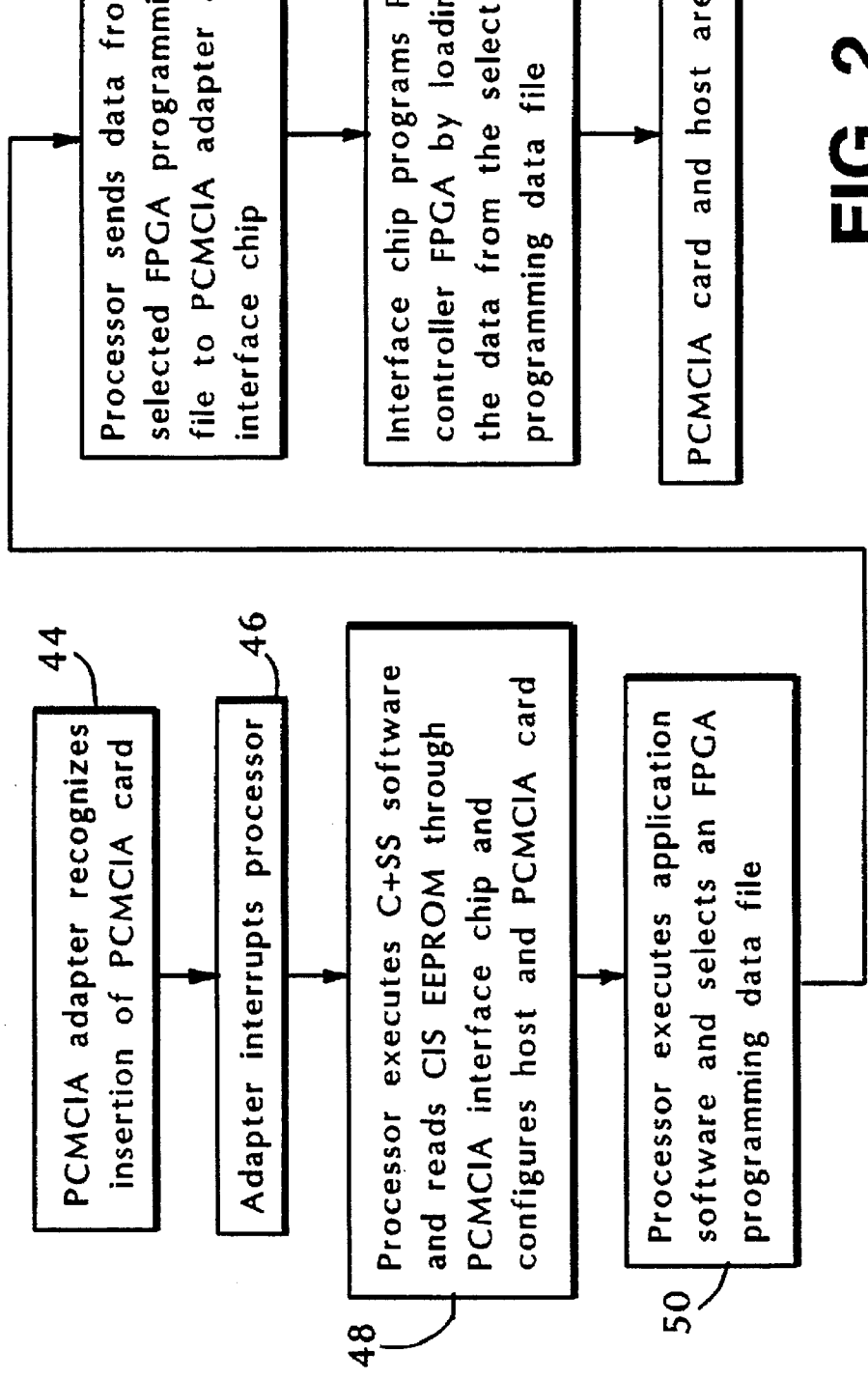
A PCMCIA card having an FPGA based card controller that is programmed with FPGA programming data stored on a host computer through a standard PCMCIA bus.

**26 Claims, 4 Drawing Sheets**





**FIG. 1**



**FIG. 2**

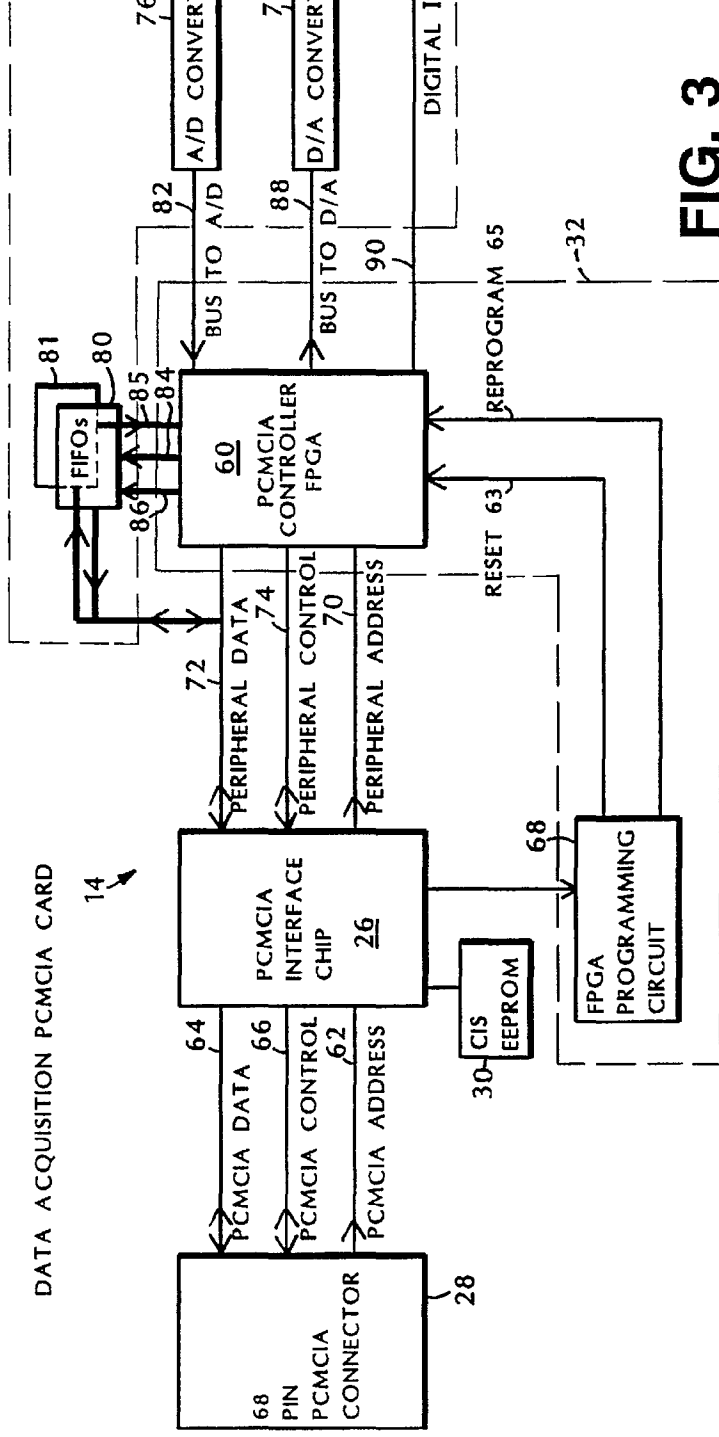
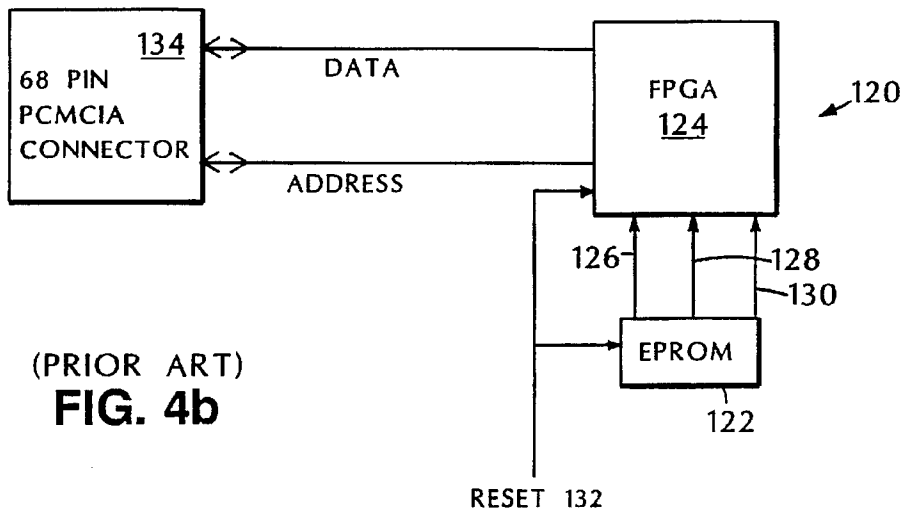
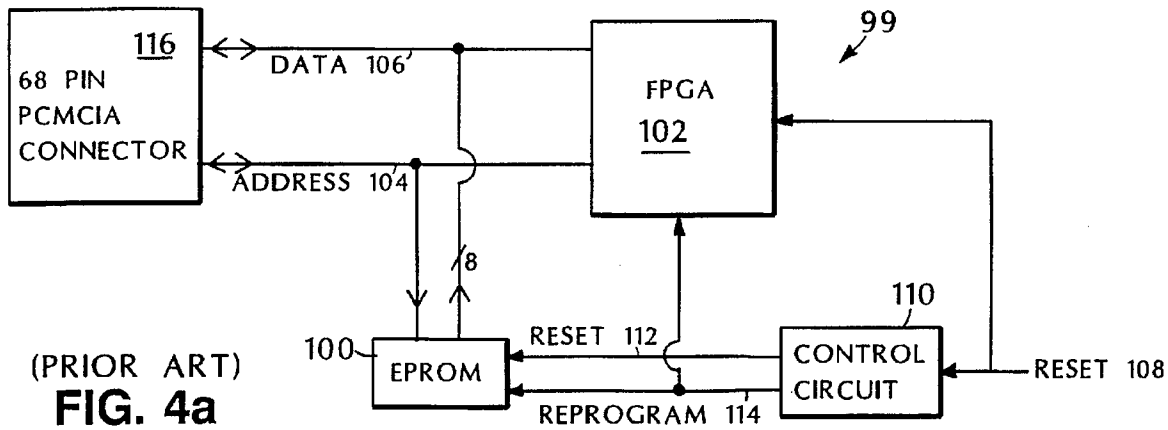


FIG. 3



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