United States Patent [19]

Shah et al.

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| [54] | DATA PROCESSING SYSTEM HAVING |
|------|-------------------------------|
| | AUTOMATIC CONFIGURATION |

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[21] Appl. No.: 520,354

[22] Filed: Aug. 4, 1983

Int. Cl.4 G06F 3/00 [51] [52]

[58] Field of Search ... 364/200 MS File, 900 MS File,

364/300

References Cited [56]

U.S. PATENT DOCUMENTS

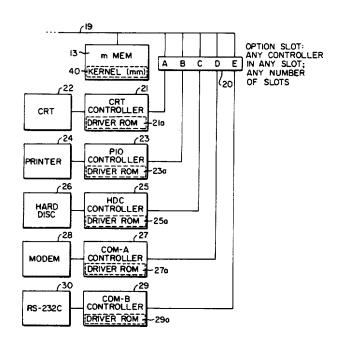
| 4,438,493 | 3/1984 | Cushing et al | 364/200 |
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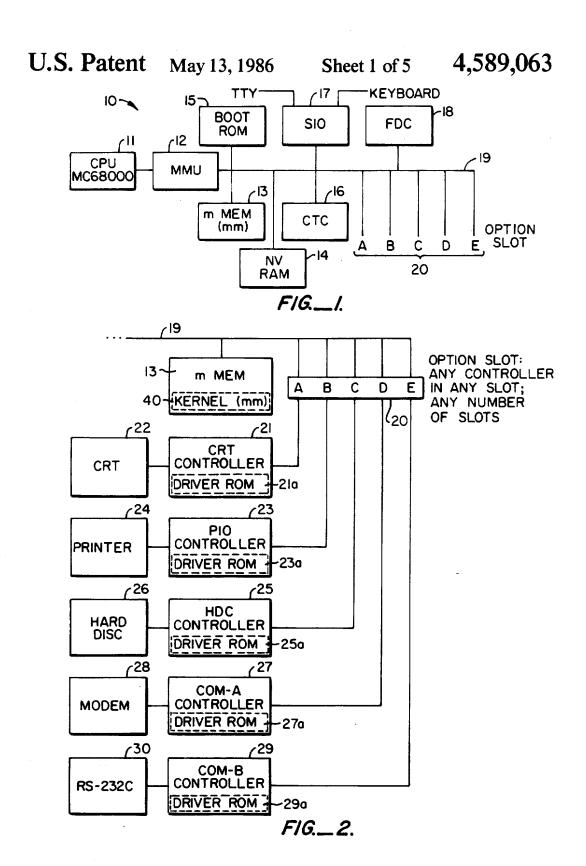
Primary Examiner-Raulfe B. Zache Attorney, Agent, or Firm-Townsend & Townsend

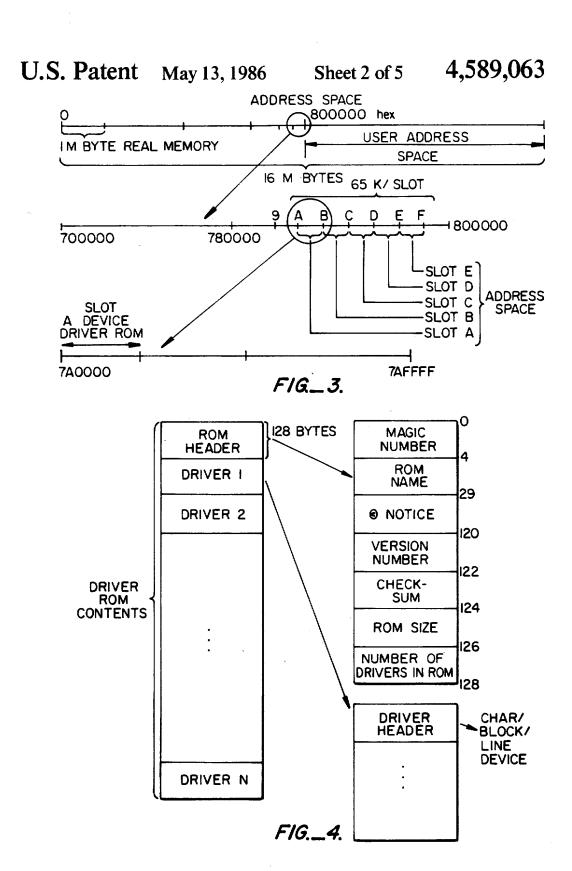
ABSTRACT [57]

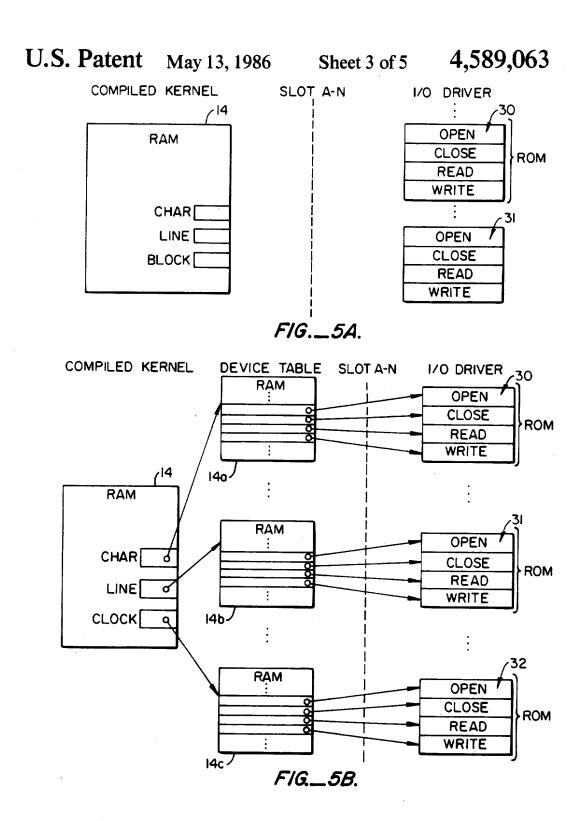
A method and apparatus for automatic configuration of a computer system is provided wherein one or more system peripheral or I/O devices can be interfaced to the computer system through I/O boards that plug into a system motherboard. Each of the I/O devices includes a controlling device driver module that operates under a program code stored in a read only memory resident on the I/O board and by which the device driver module allows the computer system to communicate with its associated peripheral and I/O devices. Accordingly, a system user is not required to change the computer operating system kernel to support each new I/O device or system configuration change.

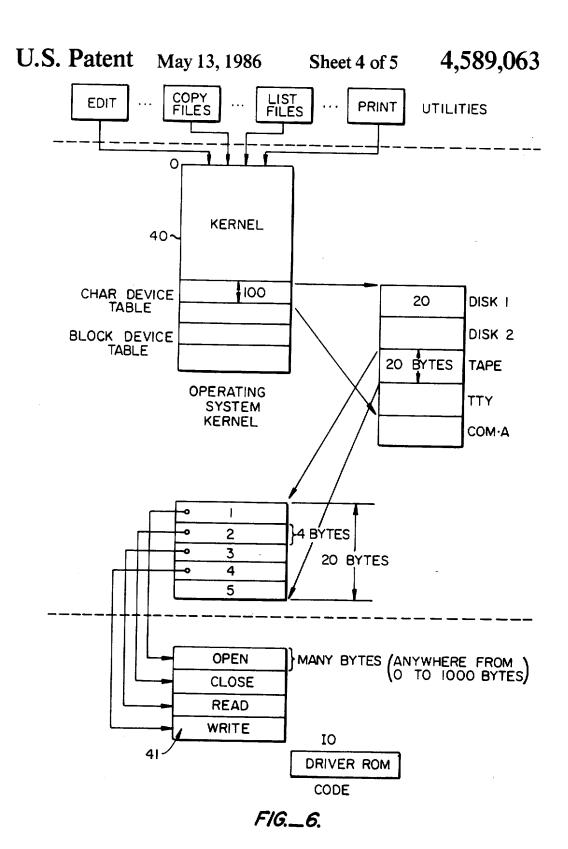
13 Claims, 8 Drawing Figures











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