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United States Patent [19]

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Cooper et al.

[45] Date of Patent: **Apr. 7, 1998**

[54] **METHOD AND APPARATUS FOR ENABLING TRIAL PERIOD USE OF SOFTWARE PRODUCTS: METHOD AND APPARATUS FOR UTILIZING A DECRYPTION STUB**

0 268 139 A3	5/1988	European Pat. Off.	G06F 1/00
0 561 685 A2	9/1993	European Pat. Off.	G06F 12/14
0 561 685 A3	9/1993	European Pat. Off.	G06F 12/14
0 598 587 A1	5/1994	European Pat. Off.	G06F 1/00
0 601 500 A1	6/1994	European Pat. Off.	G06F 1/00
2 136 175	9/1984	United Kingdom	H03K 13/24
WO 94/07204	3/1994	WIPO	G06F 15/21

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[73] Assignee: **International Business Machines Corporation**, Armonk, N.Y.

"Data Masking Algorithm" (IBM Technical Disclosure Bulletin, vol. 32, No. 6B, Nov. 1989).

[21] Appl. No.: **693,555**

"Information Distribution via Rom Disks" (IBM Technical Disclosure Bulletin, vol. 33 No. 12, May 1991).

[22] Filed: **Aug. 2, 1996**

Primary Examiner—Bernarr E. Gregory
Attorney, Agent, or Firm—Edward H. Duffield; Andrew J. Dillon

Related U.S. Application Data

[63] Continuation of Ser. No. 235,033, Apr. 25, 1994, abandoned.

[51] Int. Cl.⁶ **H04L 9/00**

[52] U.S. Cl. **380/4; 380/9; 380/23; 380/25; 380/49; 380/50; 395/186; 395/427; 395/481; 395/490; 395/491**

[58] Field of Search **380/4, 9, 21, 23, 380/25, 49, 50; 395/601, 616, 186, 427, 481, 490, 491, 726, 728**

[57] ABSTRACT

A method and apparatus is provided in a data processing system for securing access to particular files which are stored in a computer-accessible memory media. A file management program is provided as an operating system component of the data processing system. At least one encrypted file and at least one unencrypted file are stored in the computer-accessible memory media. An unencrypted security stub is associated with each of the encrypted files. The security stub is at least partially composed of executable code. The file management program is utilized to monitor data processing calls for a called file stored in the computer-accessible memory media. The file management program determines what the called file has an associated unencrypted security stub. The called file is processed in a particular manner dependent upon whether or not the called file has an associated unencrypted security stub.

[56] References Cited

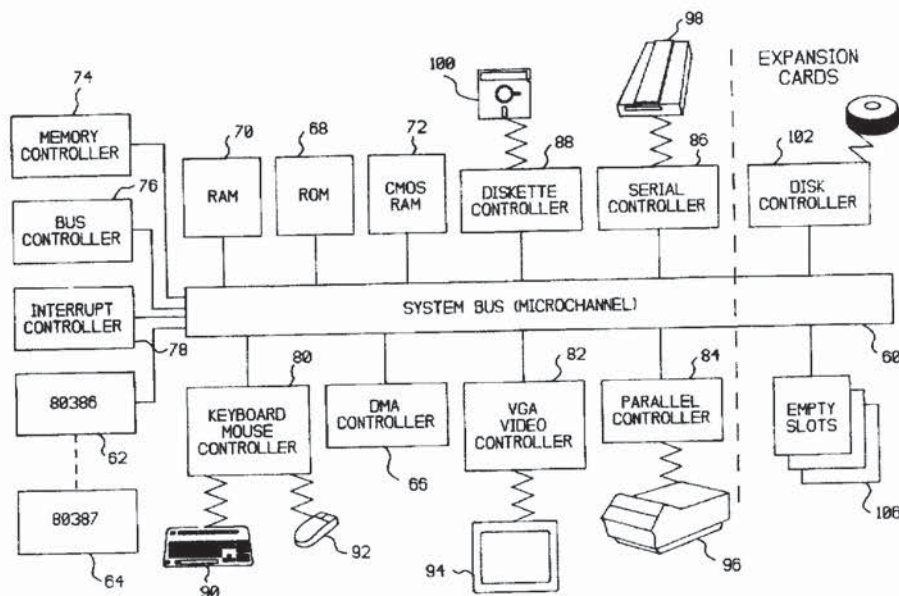
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0 268 139 A2 5/1988 European Pat. Off. G06F 1/00

22 Claims, 28 Drawing Sheets



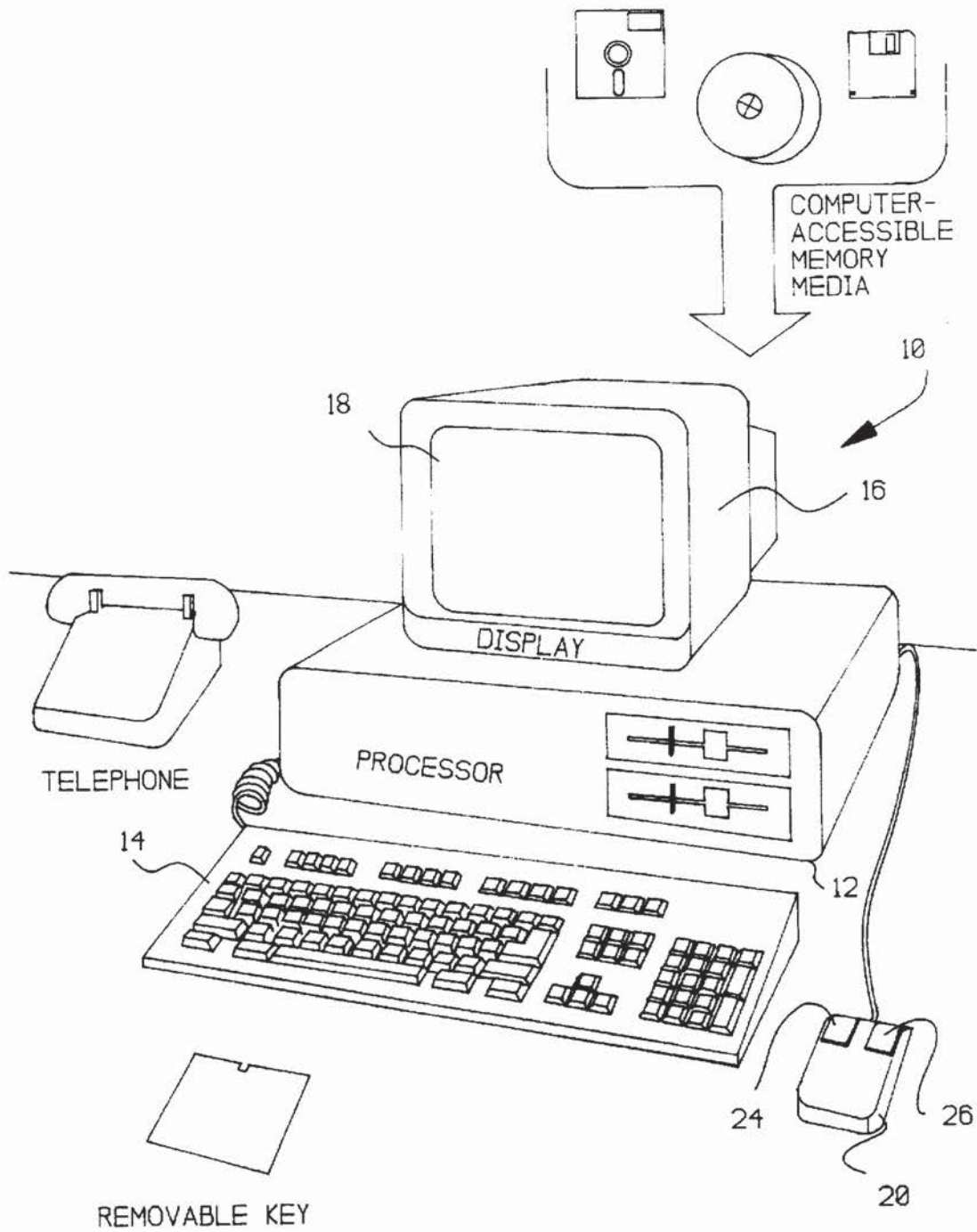


FIG. 1

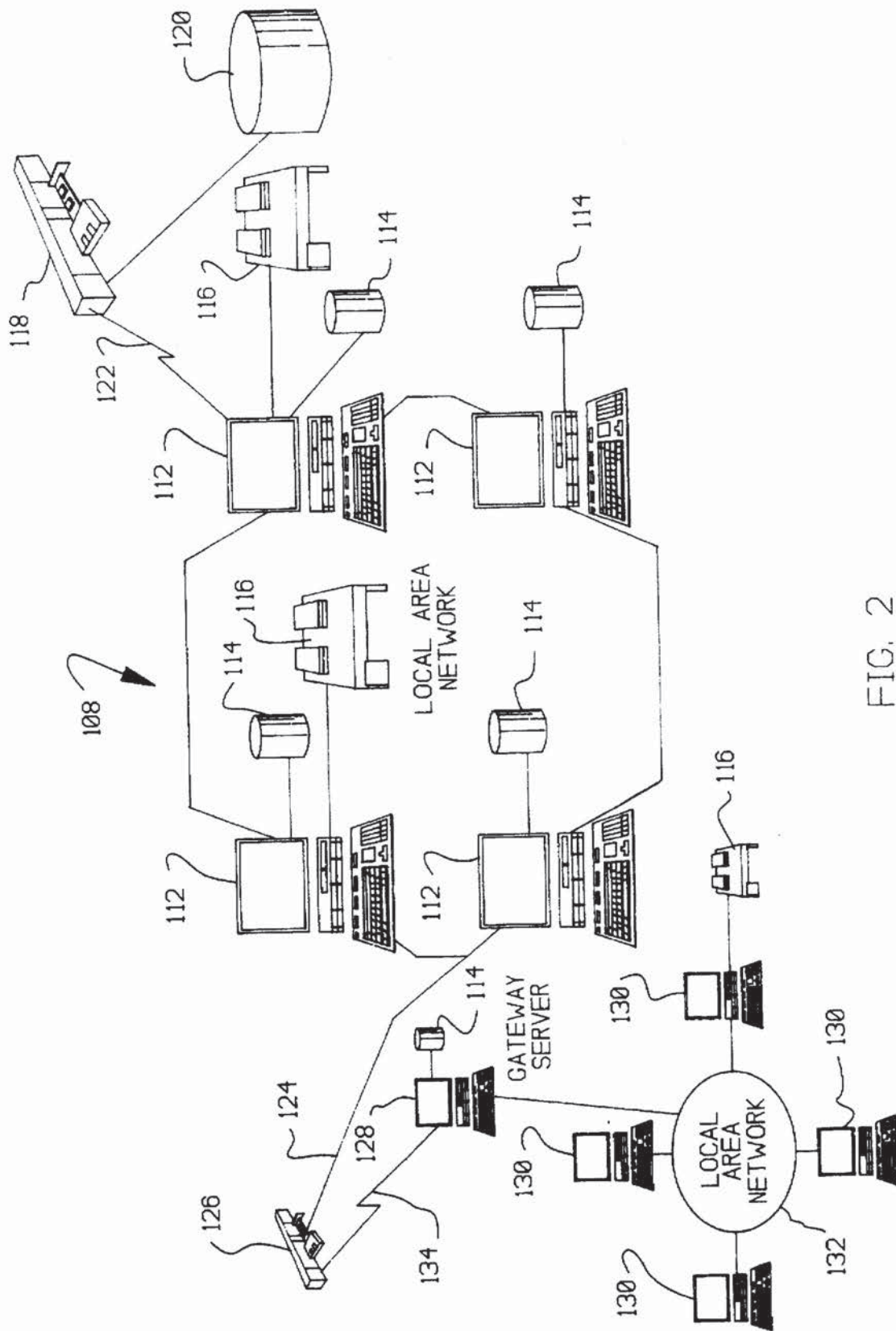


FIG. 2

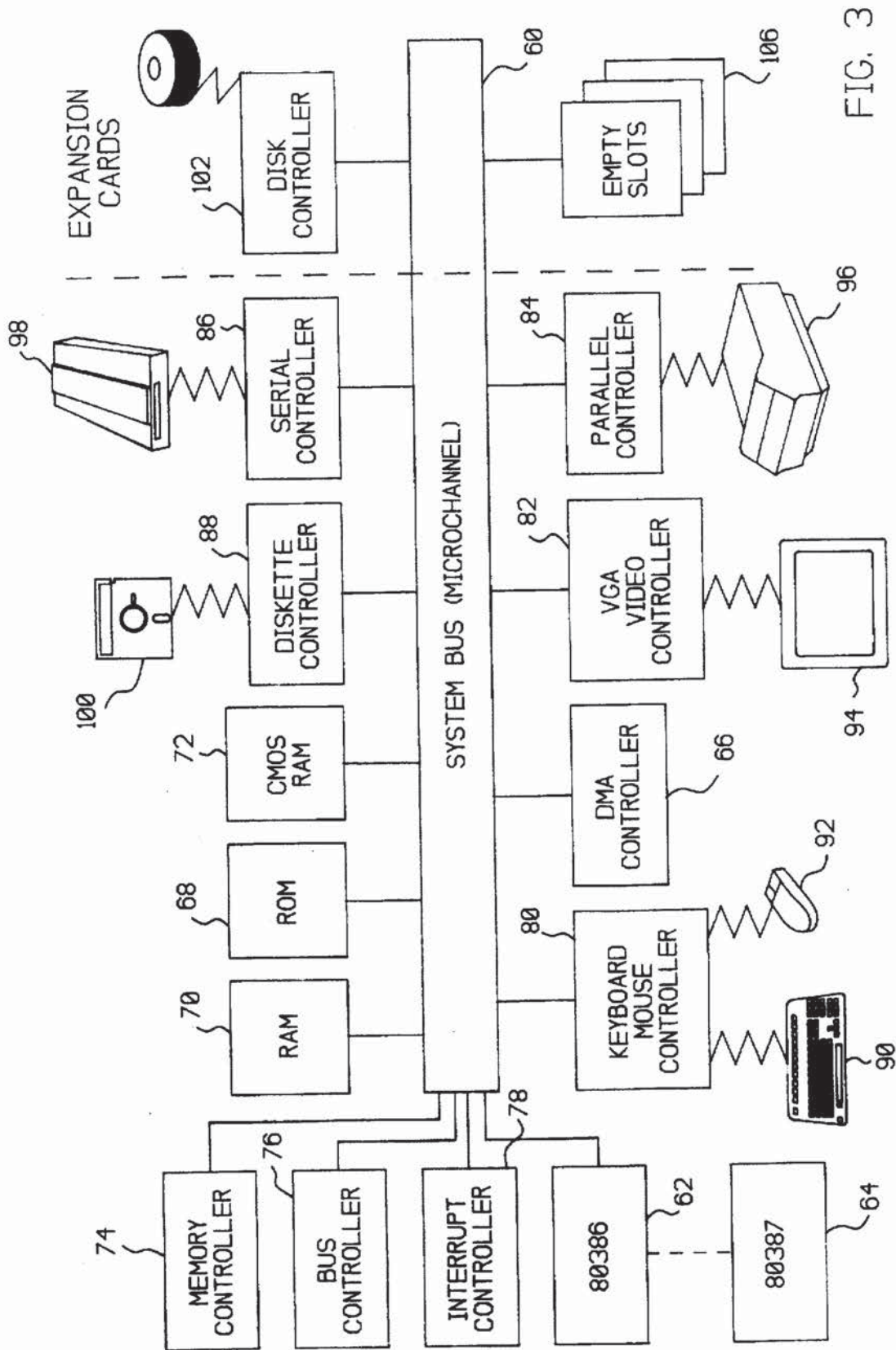


FIG. 3

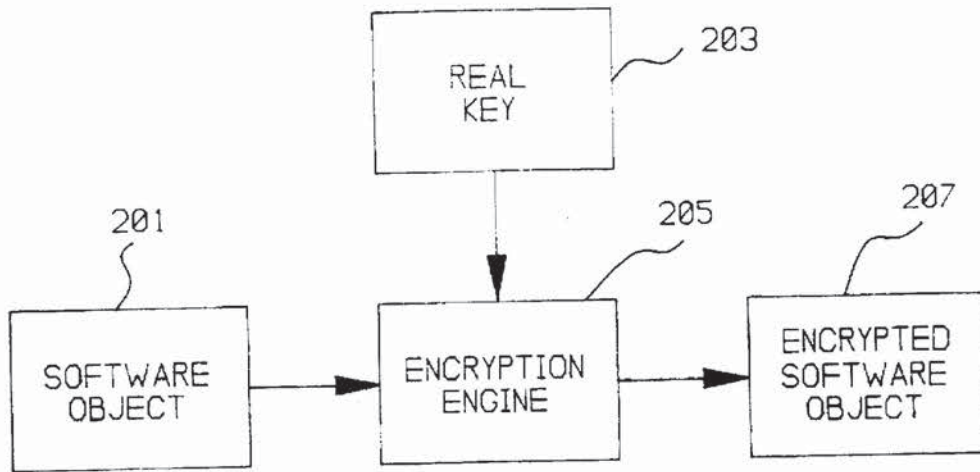


FIG. 4

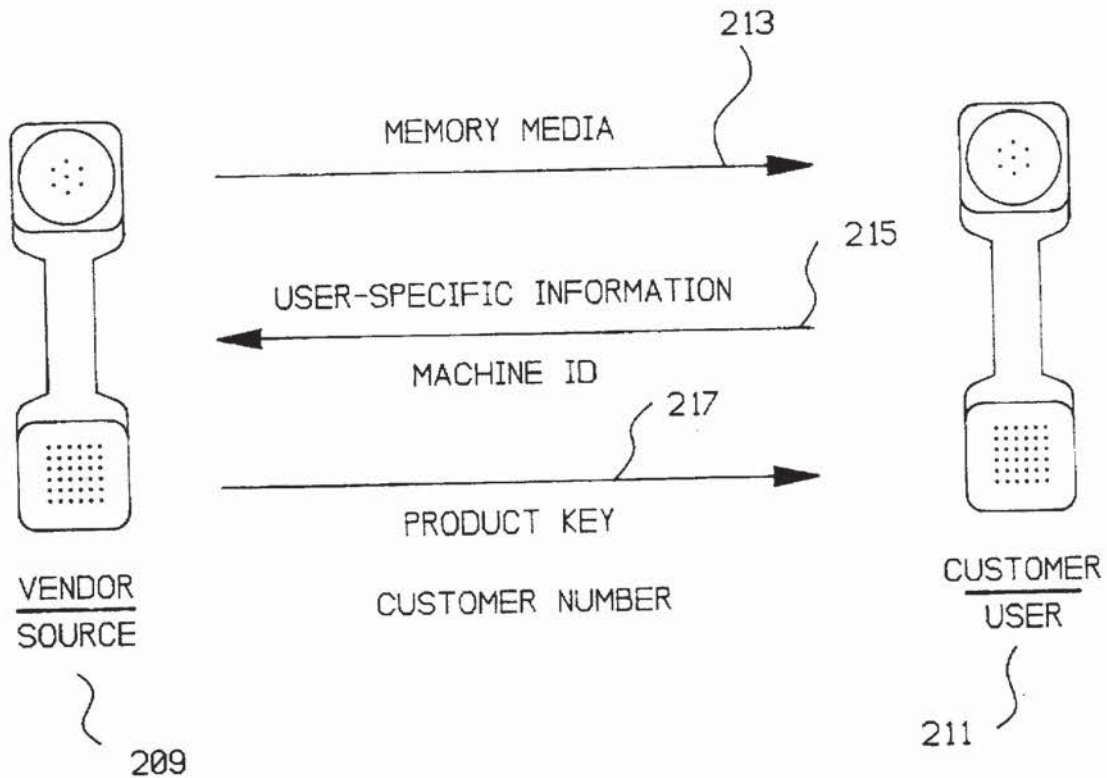


FIG. 5

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