



- [54] **METHOD, APPARATUS, AND SYSTEM FOR TRANSFERRING UNITS OF VALUE**
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- [73] Assignee: **Dallas Semiconductor Corporation**, Dallas, Tex.
- [21] Appl. No.: **595,014**
- [22] Filed: **Jan. 31, 1996**

Related U.S. Application Data

- [60] Provisional application No. 60/004,510, Sep. 29, 1995.
- [51] Int. Cl.⁶ **H04L 9/00**
- [52] U.S. Cl. **380/24**
- [58] Field of Search 380/23, 24, 25, 380/30; 364/717, 464.02

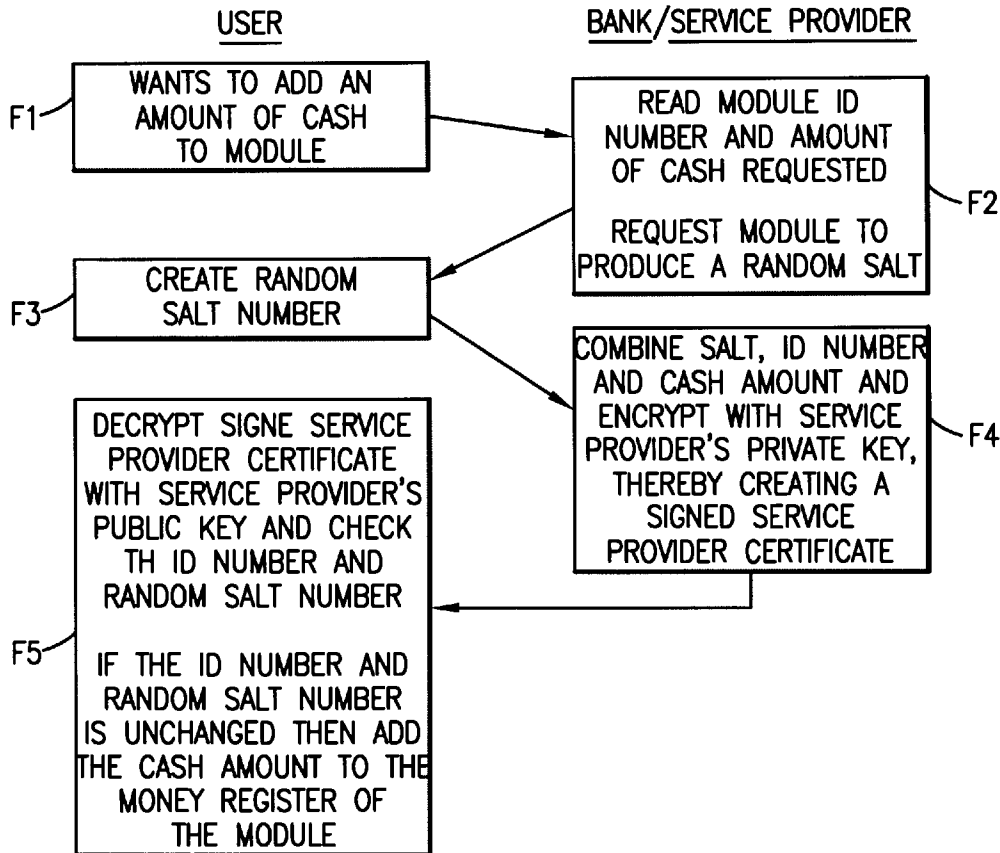
- [56] **References Cited**
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Primary Examiner—Thomas H. Tarcza
Assistant Examiner—Carmen D. White
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[57] **ABSTRACT**

The present invention relates to an electronic module used for secure transactions. More specifically, the electronic module is capable of passing encrypted information back and forth between a service provider's equipment via a secure, encrypted technique so that money and other valuable data can be securely passed electronically. The module is capable of being programmed, keeping track of real time, recording transactions for later review, and creating encryption key pairs.

15 Claims, 8 Drawing Sheets



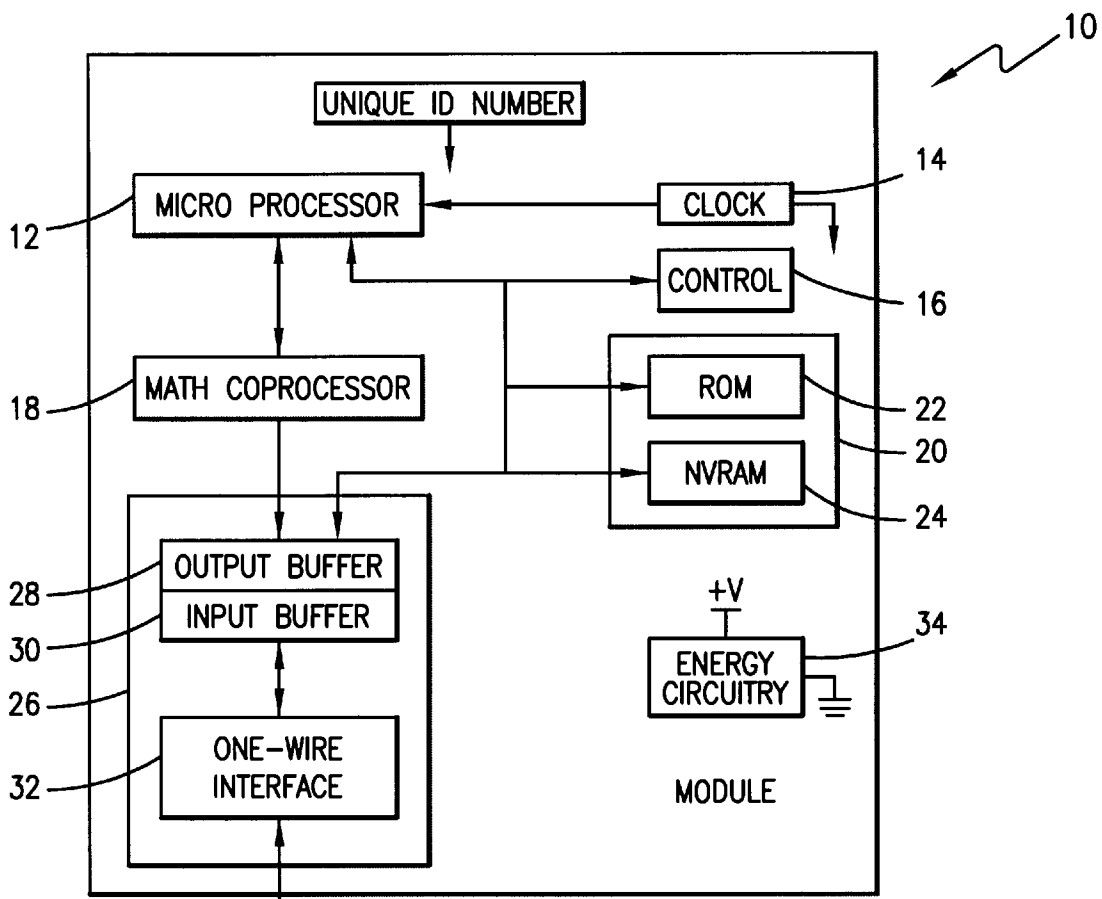


FIG. 1

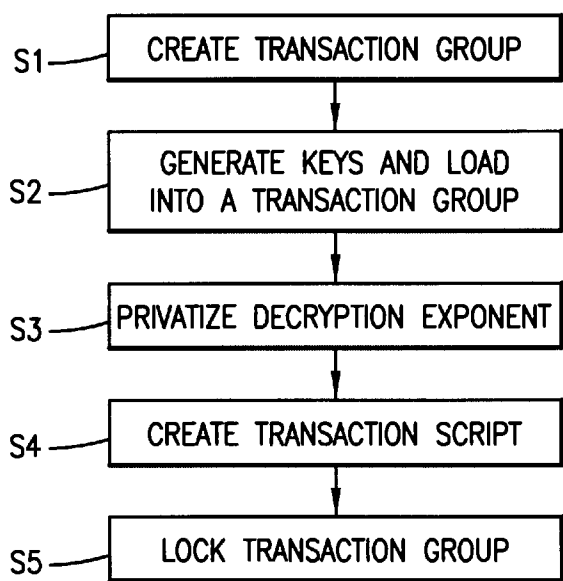


FIG. 2

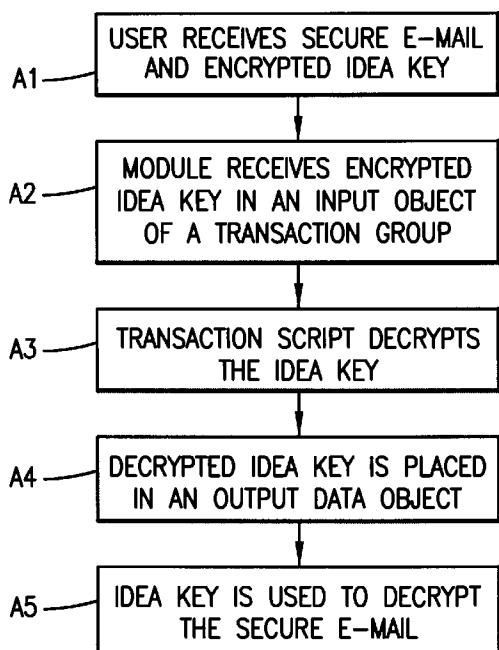
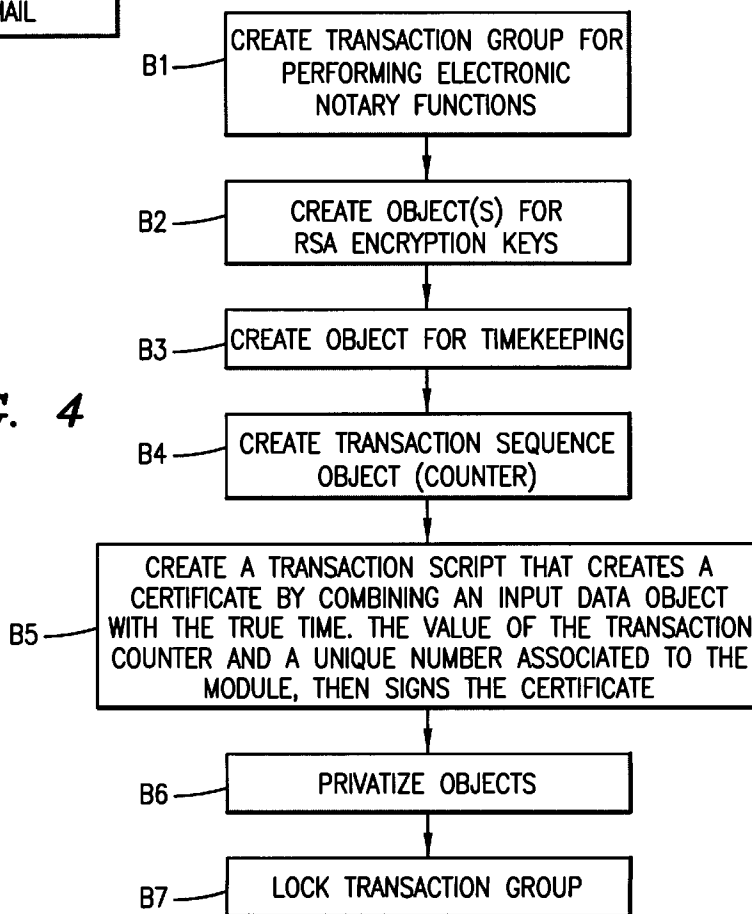


FIG. 3

FIG. 4



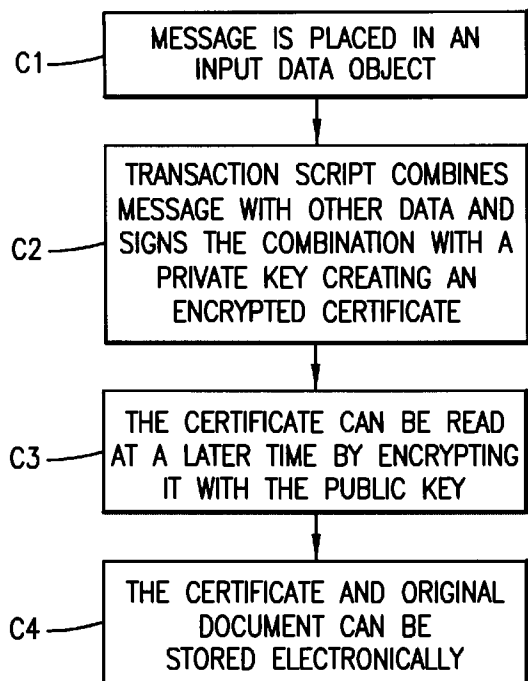


FIG. 5

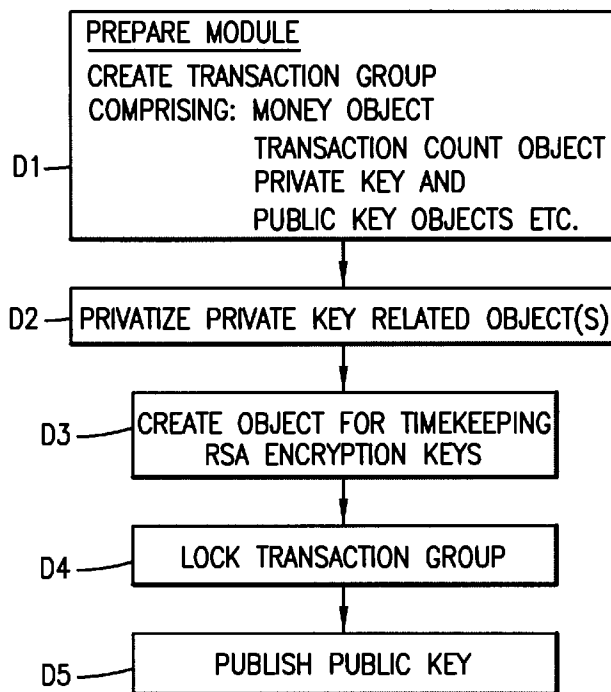


FIG. 6

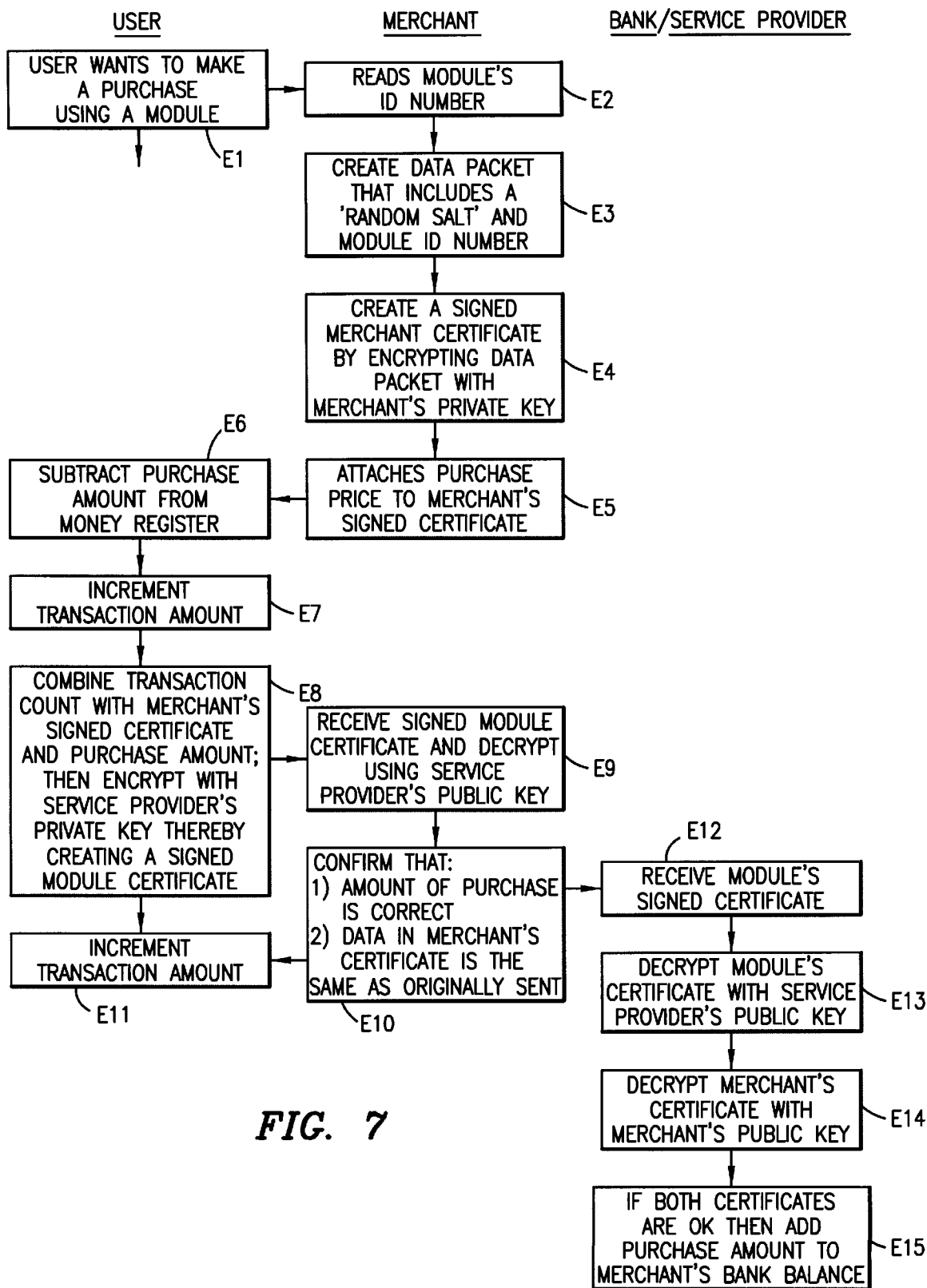


FIG. 7

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