United States Patent [19]

Kawana

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[54] **IDENTIFICATION SYSTEM FOR AUTHENTICATING BOTH IC CARD AND TERMINAL**

[75] Inventor: **Shigeyuki Kawana**, Tokyo, Japan

[73] Assignee: **Casio Computer Co., Ltd.**, Tokyo, Japan

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[30] **Foreign Application Priority Data**

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[51] **Int. Cl.**[4] **G06F 15/20**

[52] **U.S. Cl.** **235/380**; 235/492; 340/825.34

[58] **Field of Search** 235/380, 382, 492, 379, 235/375, 381; 340/825.34, 825.33

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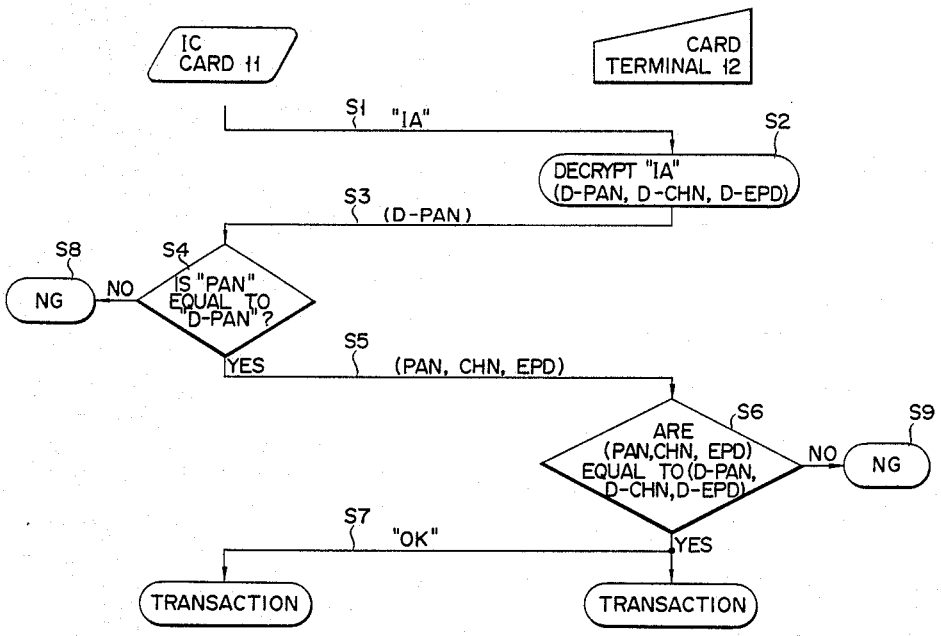
Primary Examiner—Philip H. Leung

Attorney, Agent, or Firm—Frishauf, Holtz, Goodman & Woodward

[57] **ABSTRACT**

Data unique to an IC card and encrypted unique data obtained by encrypting the unique data are previously stored in the IC card. The encrypted unique data is decrypted in an IC card terminal, to obtain decrypted data and the decrypted data and unique data stored in the IC card are compared on the side of the IC card and also in the IC card terminal, whereby the authenticity of both the IC card and IC card terminal is confirmed.

6 Claims, 4 Drawing Sheets