Title: SYSTEM AND METHOD FOR PAYMENT USING RADIO FREQUENCY IDENTIFICATION IN CONTACT AND CONTACTLESS TRANSACTIONS

Abstract: A transporter-reader payment system includes a fob (102) including a transponder (114), and a RFID reader (104) for interrogating the transponder (102). The system may further include a personalization system (134) for populating onto the fob (102) and RFID reader (104) identifying information and security and authentication keys which may be used during mutual authentication of the fob (102) and the reader (104) and for completing a transaction. In exemplary operation, the fob (102) and RFID reader (104) may be personalized, the fob (102) may be presented to the RFID reader (104) for interrogation, the fob (102) and reader (104) may engage in mutual authentication, and fob (102) identifying information may be provided to the reader (104) for transaction completion. In another exemplary embodiment, operation of the transponder-reader payment system may be controlled by an activation circuit. Further, the fob (102) may be responsive to multiple interrogation signals.
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
### INTERNATIONAL SEARCH REPORT

**International application No.**

PCT/US02/21903

#### A. CLASSIFICATION OF SUBJECT MATTER

| IPC(7)  | H04Q 1/00; G05B 19/00 |
| US CL   | 705/17, 18; 340/5.52,5.6, 5.82 |

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/17, 18; 340/5.52,5.6, 5.82

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>US 6,073,840 A (MARION) 13 June 2000, Abstract and description of figures 4a,4b,5 and 6</td>
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<td>Y</td>
<td>US 5,519,381 A (MARSH) 21 May 1996, column 3 lines 55 to column 4 lines 55</td>
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Date of the actual completion of the international search: 04 October 2002 (04,10,2002)

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Commissioner of Patents and Trademarks  
Box PCT, Washington, D.C. 20231  
Facsimile No. (703) 305-3230

Authorized officer: Brian A. Zimmerman  
Telephone No. 703-305-4700

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