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(57) Abstract

Authorization for a user to use a service is provided by a modified pager which calculates a unique response code to a transmitted challenge code based on the challenge code, an input personal identification number, and an internal key. The response code is input to a simple terminal, such as a telephone and if the unique response code is acceptable, the user may access the desired service, such as cashless transactions or long distance phone service.
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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

**IPC6:** H04Q 7/38, H04L 9/32  
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)

**IPC6:** H04Q, H04L  
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SE, DK, FI, NO classes as above  
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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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