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(54) Title: COMMUNICATIONS DEVICES COMPRISING NEAR FIELD RF COMMUNICATORS

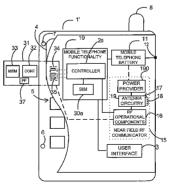


FIG. 5

(57) Abstract: A communications device has a near field RF communicator (15) having a coupler (17) to couple with a coupler of a near field RF communicator or NFC communicator in near field range to enable communication of data between the communicators by modulation of a magnetic field, and a modulator (43) to modulate an RF signal in accordance with data to be communicated by the near field RF communicator. The device also has at least one secure element (31) separate from the near field RF communicator (15) to provide secure data storage for transaction data representing or relating to a transaction. A controller controls operation of the near field RF communicator, reads transaction data from the at least one secure element and causes the modulator to modulate an RF signal in accordance with transaction data read from the at least one secure element so as to communicate the read transaction data to a near field RF communicator or NFC communicator in near field range as proof of the transaction to enable an action related to the transaction to be carried out.





International application No PCT/GB2007/004693

A. CLASSIFICATION OF SUBJECT MATTER INV. G07F7/10 H04B5/00 G07B15/00

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

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{G07F} & \mbox{H04B} & \mbox{G07B} & \mbox{G06Q} \end{array}$

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Calegory'	Citation of document, with indication, where appropriate, of t	he relevant passages	Relevant to claim No.
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A docum consi E earlier filing L docum which citalic	ther documents are listed in the continuation of Box C. categories of cited documents: ent defining the general state of the lart which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	cited to understand the prin invention *X* document of particular relevations to expect on the considered novel involve an inventive step with the considered to involve the considered to involve the combined with the combined w	er the international filing date onlict with the application but ciple or theory underlying the ance; the claimed invention to cannot be considered to nen the document is taken alone

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Name and mailing address of the ISA/

P document published prior to the international filing date but later than the priority date claimed

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Date of mailing of the international search report

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C(Continue	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/GB200	7//004093
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Y	WO 2005/098769 A (PAYZY CORP LTD; STAIB PHILIPPE [TH]; HELM JAMES [TH]; RENARD THIERRY [) 20 October 2005 (2005-10-20)		1,2,5-9, 11-15, 18,23, 61-63
	figures 1,2 paragraphs [0009], [0038], [0043], [0044], [0051], [0062], [0076], [0090] abstract 		
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International application No
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International application No. PCT/GB2007/004693

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-28,60-63

a communications device comprising a near field RF communicator, a secure element and a controller

2. claims: 29-59

an electronic proof device

information on patent family members

International application No
PCT/GB2007/004693

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