



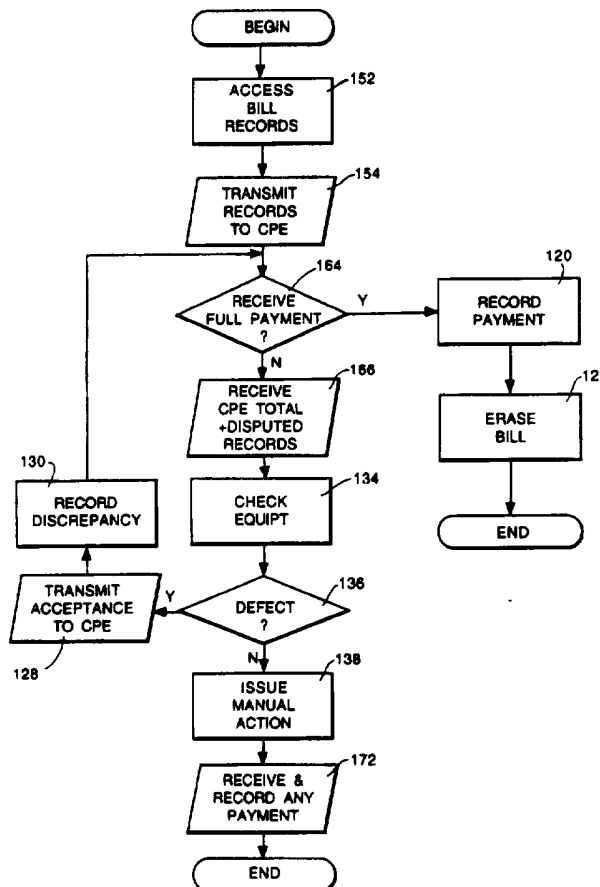
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04M 15/00, 15/28, G07F 7/00, 7/08, H04M 17/02, G07F 17/16, H04M 3/50</p>	<p>A3</p>	<p>(11) International Publication Number: WO 96/17466 (43) International Publication Date: 6 June 1996 (06.06.96)</p>
<p>(21) International Application Number: PCT/GB95/02826 (22) International Filing Date: 4 December 1995 (04.12.95) (30) Priority Data: 94308990.4 2 December 1994 (02.12.94) EP (34) Countries for which the regional or international application was filed: GB et al. (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): GELL, Michael, Anthony [GB/GB]; 7 Mayfield Lane, Martlesham Heath, Ipswich, Suffolk IP5 7TZ (GB). (74) Agent: ROBERTS, Simon, Christopher; BT Group Legal Services, Intellectual Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE (GB).</p>	<p>(81) Designated States: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 29 August 1996 (29.08.96)</p>	

(54) Title: COMMUNICATION SYSTEM FOR MULTISERVICE TERMINALS

(57) Abstract

A communication system comprising a communication utilising apparatus (1) connectable to a communications network (2), and service provision apparatus (2, 3 or 4) for making services available to the communications utilising apparatus, characterised by the provision, associated with the communications utilising apparatus, of an accounting device (12) comprising a digital data storage device (22) arranged to store details of the receipt of services by the communications utilising apparatus (1); a signalling circuit (16) arranged to receive, via the communications network (2), signals indicating a payment due in respect of services provided by the service provision apparatus (2, 3 or 4); and a comparison device (14) arranged to compare the received indications with data derived from the stored details.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 95/02826

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04M15/00 H04M15/28 G07F7/00 G07F7/08 H04M17/02
 G07F17/16 H04M3/50

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)

IPC 6 H04M G07F

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A A A A	EP,A,0 185 365 (GNT AUTOMATIC A/S) 25 June 1986 see the whole document --- PATENT ABSTRACTS OF JAPAN vol. 13, no. 243 (E-768), 7 June 1989 & JP,A,01 044157 (HITACHI LTD), 16 February 1989, see abstract --- US,A,4 359 631 (LOCKWOOD ET AL.) 16 November 1982 see abstract --- EP,A,0 474 555 (CANON KABUSHIKI KAISHA) 11 March 1992 see column 6, line 45 - line 50 --- -/--	1-7,20, 22,23 8-19,21 1-23 1-23 1-23

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 June 1996

Date of mailing of the international search report

08.07.96

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
 PCI/GB 95/02826

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 402 302 (LIPMAN ELECTRONIC ENGINEERING LTD) 12 December 1990 see the whole document ---	1-23
A	US,A,4 933 966 (HIRD ET AL.) 12 June 1990 see column 3, line 35 - column 4, line 3 ---	1-23
A	ELECTRONICS AND COMMUNICATIONS IN JAPAN, vol. 73, no. 1, January 1990, NEW YORK - US, pages 36-54, XP000138107 "IC Card-Based Advanced Man-Machine Interface for Public Switched Telephone Network Service" see the whole document ---	
X	EP,A,0 325 564 (SARIN SOCIETÀ SERVIZI AUSILIARI E RICERCA INFORMATICA PER AZIONI) 26 July 1989 see column 6, line 57 - column 7, line 12 ---	24-35
X	EP,A,0 341 219 (SEAT - DIVISIONE STET S.P.A.) 8 November 1989 see the whole document ---	1-6,24, 31
A	US,A,5 276 679 (U.S. WEST ADVANCED TECHNOLOGIES) 4 January 1994 see the whole document ---	1-35
A	PHILIPS TELECOMMUNICATION REVIEW, vol. 52, no. 1, March 1994, HILVERSUM NL, pages 15-19, XP002005598 J. HANCKMANN : "Telescript: the emerging standard for intelligent messaging" * page 18, paragraph "intelligent messaging" * -----	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB95/02826

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-23: Communication system for providing services with accounting device, service monitoring and network hierarchy for such a system.
 2. Claims 24-30: Communications apparatus to respond to a class of services.
 3. Claims 31-35: Communication terminal with visual display of a plurality of sub-images.
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers 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.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 95/02826

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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EP-A-341219	08-11-89	NONE	
US-A-5276679	04-01-94	NONE	