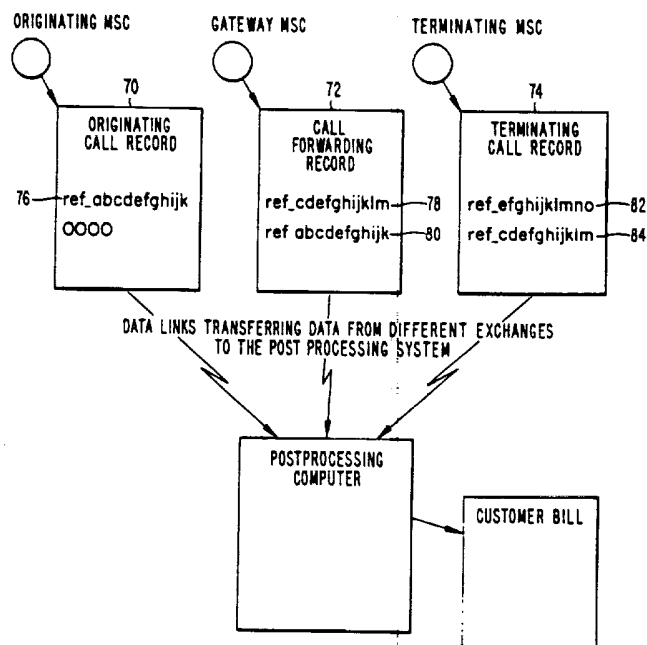




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(54) Title: A METHOD AND A SYSTEM FOR IDENTIFYING CALL RECORDS



(57) Abstract

A method and apparatus for identifying call records in such a manner as to make it possible for a post processing system to produce one bill based upon information stored in all of the produced call records independently of the node where the record is produced. A unique identification code is generated when a call is set up or when the call enters a network. The identification code is then transferred from node to node as the call is transferred from one node to another. Each node involved in the call produces a call record which contains at least a portion of the identification code. As a result, all of the call records produced for the call can be identified by the identification code stored in the call records.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 95/00075

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04M 15/00, H04Q 7/22

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: H04M, H04Q

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

SE,DK,FI,NO classes as above

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

EPODOC, CLAIMS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4788719 A (S.K. GUPTA), 29 November 1988 (29.11.88), column 2, line 52 - column 4, line 29 --	1,6,7,14,15, 23,28,29,36, 37
P,A	GB 2273628 A (AMERICAN TELEPHONE & TELEGRAPH COMPANY), 22 June 1994 (22.06.94) --	1,2,6,7,23, 24,28,29
A	US 5103475 A (J.Y. SHUEN), 7 April 1992 (07.04.92), column 3, line 38 - column 5, line 8 --	1-3,23-25
A	EP 0483091 A2 (ERICSSON - GE MOBILE COMMUNICATIONS HOLDING INC.), 29 April 1992 (29.04.92), column 6, line 31 - column 10, line 54 --	1,23

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Date of the actual completion of the international search

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09 -08- 1995

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Information on patent family members

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PCT/SE 95/00075

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A- 4788719	29/11/88	NONE	
GB-A- 2273628	22/06/94	CA-A- 2102077	22/06/94
US-A- 5103475	07/04/92	CA-A,C- 2050400	30/04/92
EP-A2- 0483091	29/04/92	CN-B- 1027722	22/02/95
		CN-A- 1061692	03/06/92
		NZ-A- 240072	25/02/94
		US-A- 5063591	05/11/91
		WO-A- 9309639	13/05/93