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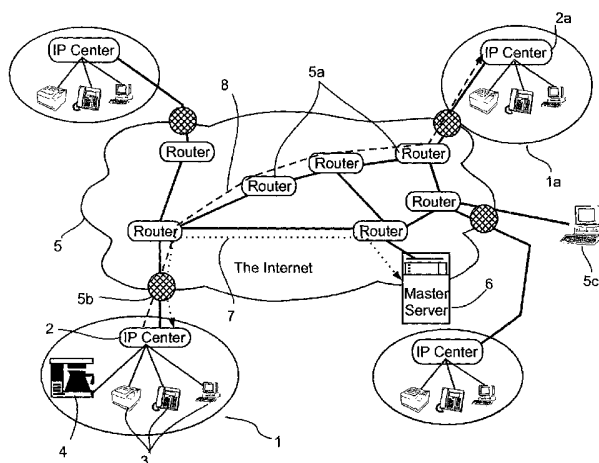
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: END-TO-END NETWORK COMMUNICATION



(57) Abstract: A system manageable for peer to peer communication between subscribers (1, 1a), the system comprises: a) a subscriber end management device for managing digital communications with remote subscribers (1, 1a), the device comprising: an internal interface for interfacing with at least one subscriber electronic devices (3, 4), an IP address manager for formulating and submitting a request for an IP address corresponding to a remote subscriber (1, 1a) and recording a response thereto, and a packet addresser for addressing data packets to subscriber (1, 1a) using an IP address taken from the recorded response, and b) an Internet connection management device for receiving and processing said request, the device comprising: a database for storing user identification names of the subscribers in a first field and respective assigned user IP addresses in a second field, a database manager for determining assigned user IP addresses of ones of the subscribers currently connected and dynamically updating the second field therewith, and a request manager for receiving external requests specifying at least one user identification request, interrogating the database and responding with respective IP addresses, thereby to provide peer to peer connections between the subscribers and end to end transaction data for billing.



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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(7) : H04L 12/66; G06F 15/16  
 US CL : 370/352; 709/227  
 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. : 370/352, 355, 356, 389, 392, 395.52, 395.53, 400, 401; 709/227, 228, 229, 203, 236

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)  
 EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,108,704 A (HUTTON et al) 22 August 2000 (22.08.2000), see entire document.	1-8, 11-12, 14-18, 23, 25-26, and 28 ----- 9-10, 13, 19-22, 24, 27, and 29
Y	US 5,608,786 A (GORDON) 04 March 1997 (04.03.1997), see entire document.	9-10 and 19-22
Y	US 2001/0025275 A1 (TANAKA et al) 27 September 2001 (27.09.2001), see entire document.	13, 24, 27, and 29
A	US 6,324,585 B1 (ZHANG et al) 27 November 2001 (27.11.2001), see entire document.	1-29

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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