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(54) Title: INTERNET TELEPHONY THROUGH HOSTS

(57) Abstract: Systems of the invention employ peer-to-peer and centralized server networking to enable POTS/PSTN/PBX phone lines to be shared with other users of the system over the Internet. An example application of the invention is to allow a person, having access to an Internet connection, to receive calls and make calls using his/her home or office telephone, or using the phones of other parties that he/she is authorized to access. In preferred embodiments, the invention can exploit availability of an existing voice modem port on the user's home or office computer, and can require only the installation of software on the home or office computer, and on whatever device (laptop, PDA, computer, mobile phones, etc.) is employed by the user in the remote location. Variant realizations of the invention may also provide any combination of features typically available to phone users, including, for example, the following features: authentication, verification, directory services, directory search, access rights, call forwarding, call answering, voice, mail, missed-call information, call screening, and caller identification.



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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 15/16  
 US CL : 709/203,219; 379/900

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. : 709/203,219; 379/900

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)  
 IEEE, ACM

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0043787 A1 (EMERSON, III) 06 March 2003 (06.03.2003), paragraphs 30-31 and 42.	1-12
A	US 2003/0053446 A1 (KWON) 20 March 2003 (20.03.2003), whole document.	1-12
A,E	US 6,876,632 B1 (TAKEDA) 05 April 2005 (05.04.2005), whole document.	1-12
A,E	US 6,909,778 B2 (WENGROVITZ) 21 June 2005 (21.06.2005), whole document.	1-12

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" 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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