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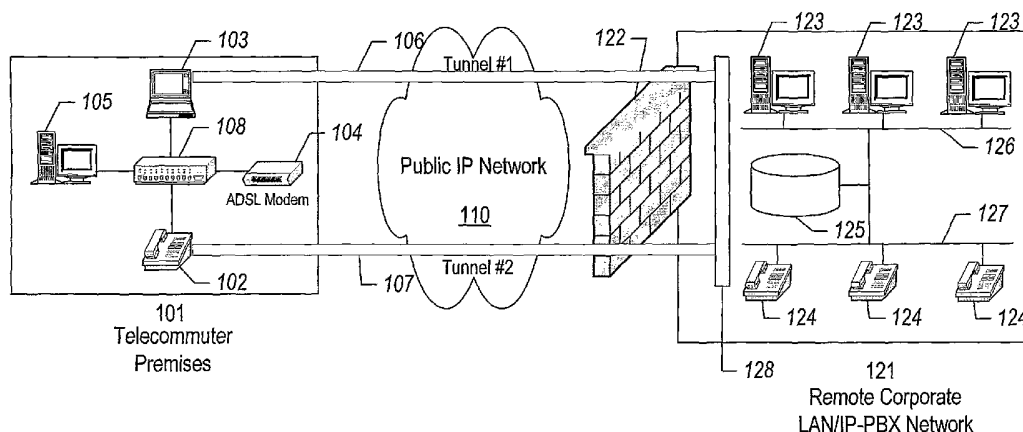
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(54) Title: METHOD AND APPARATUS FOR VOICE OVER INTERNET PROTOCOL TELEPHONY USING A VIRTUAL PRIVATE NETWORK



(57) Abstract: An apparatus and methods for utilizing a Voice over Internet Protocol (VoIP) telephone with a built-in VPN client is disclosed. A VoIP telephone with an internal VPN client module incorporated into the VoIP telephone establishes a VPN tunnel directly from the VoIP telephone VPN client to an IP-PBX network access point. A VPN session, established in response to keypad input from a user of the VoIP telephone, is conducted over the VPN tunnel to a remote location. In a disclosed method, a secured VoIP telephone communication link is established by receiving a request from a user of the VoIP telephone, processing the request, and sending a signal from the VoIP telephone unit's VPN client over a data interface to a remote location. After exchange of authentication messages between the VoIP telephone VPN client and a remote location's VPN server, a VPN session is established.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/16

US CL : 709/200

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. : 709/200; 370/351, 352, 88.17; 379/220.01, 229, 93.01, 93.17

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)

NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P --- Y, P	US 2003/0152068 (BALASAYGUN et al) 14 August 2003; abstract; paras. 0018-0020, 0024, 0045; Fig. 9; paras. 0009, 0046, 0052, 0031, 0032; Fig. 1	1-4, 6-10, 14-30 ----- 5
X, E --- Y, E	US 2004/0223464 (DYE et al) 11 November 2004; paras. 0008, 0016, 0017, 0048, 0049; Fig. 3; Fig. 6	11 ----- 5, 12, 13
Y, E	US 2005/0021766 (MCKEOWEN et al) 27 January 2005; para 0269	12, 13



Further documents are listed in the continuation of Box C.



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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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"P"	document published prior to the international filing date but later than the priority date claimed		

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