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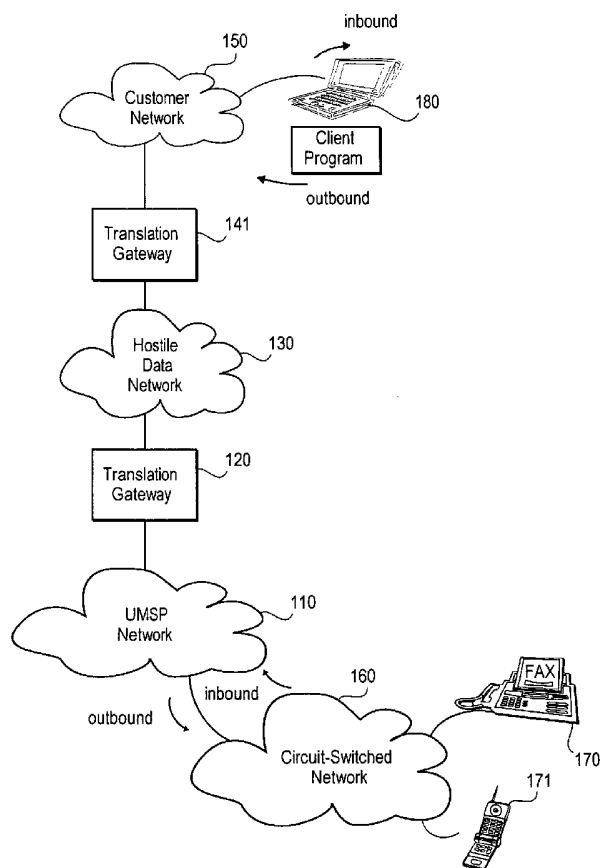
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(54) Title: ENHANCING MESSAGING SERVICES USING TRANSLATION GATEWAYS



(57) Abstract: In one embodiment, a translation gateway (120) is for use between a network of a messaging service provider (110) and a hostile data network (130). The gateway is to forward messages using a secure connection through the hostile network, to a customer's network (150). Different types of inbound messages (e.g., voice; fax) can be delivered to a single client process running on a customer machine (180) on the customer network. In addition, the translation gateway may be used to securely forward different types of outbound messages originating from the client process to the service provider's network (where the messages are retransmitted as voice calls or facsimiles into a telephone network).



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32946

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/16; H04L 12/00; H04M 1/64

US CL : 709/230,200,203,217,223,227; 707/501.1; 370/352; 379/88.13,88.14,88.17,93.01

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. : 709/230,200,203,217,223,227; 707/501.1; 370/352; 379/88.13,88.14,88.17,93.01

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 6,693,893 A (EHLINGER) 17 February 2004 (17.02.2004), column 1, line 63 to column 2, line 29; column 2, line 59 to column 3, line 29; column 4, lines 5-12.	1-35
A,E	US 6,718,030 A (TURNER et al.) 06 April 2004 (06.04.2004), Abstract; figures 5A-5C; column 3, lines 13-47.	1-35

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"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

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INTERNATIONAL SEARCH REPORT

PCT/US03/32946

Continuation of B. FIELDS SEARCHED Item 3:

EAST:

search terms: translate, gateway, protocol convertor, telephone, phone, node, mail , message, IP address, internet protocol, email, electronic mail