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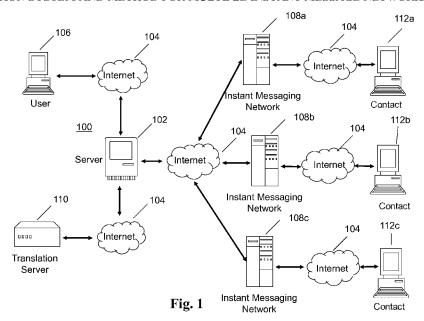
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(54) Title: TRANSLATION SYSTEM AND METHOD FOR MULTIPLE INSTANT MESSAGE NETWORKS



(57) Abstract: A method and system provides a graphical user interface for instant messaging on any of a plurality of instant messaging networks. The interface provides a roster of contacts in each instant messaging network. Instant messages entered through the interface are machine translated into a preferred language for each intended recipient contact. The translated message is sent over the respective instant messaging networks of the intended recipient contacts. Response messages are translated into the source language of the user of the graphical user interface.



International application No. PCT/US2012/047729

### A. CLASSIFICATION OF SUBJECT MATTER

G06Q 50/30(2012.01)i, G06F 17/28(2006.01)i

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) G06Q 50/30; G06F 15/16; H04M 1/64; G06F 15/173; G06F 13/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: Instant Messages, electronic message, translation, translating server, source language, preferred language, group chat

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 2006-0133585 A1 (BRIAN DAIGLE et al.) 22 June 2006<br>See abstract, paragraphs [0042]-[0048],[0054],[0059],[0063],[0071] and      | 1-3,6-10,13,16,17     |
| Y         | claims 1-7,12,17.  | 4,5,11,12,14,15       |
| Y         | US 2010-0293230 A1 (LAI QING ZHANG et al.) 18 November 2010<br>See abstract, paragraphs [0055],[0079],[0086]-[0090], claims 8-10 and | 4,5,11,12,14,15       |
| A         | figures 3,7-13.  | 1-3,6-10,13,16,17     |
| A         | US 2007-0208813 A1 (-) 06 September 2007<br>See abstract, paragraphs [0031],[0041]-[0045], claims 1-7,13 and<br>figures 2,5-9.       | 1-17                  |
| A         | JP 2003-058481 A (LOGO VISTA CORP) 28 February 2003<br>See abstract, paragraphs [0012]-[0071] and claims 1-4.                        | 1-17                  |
| A         | KR 10-2006-0056655 A (A I CORPUS CO., LTD.) 25 May 2006<br>See abstract and claims 1-3,18,19.  | 1-17                  |
|           |  |                       |

| L   | Further documents are listed in the continuation of Box C.                |      | See patent family annex.   |
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Information on patent family members

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| Patent document cited in search report | Publication<br>date | Patent family member(s)   | Publication<br>date  |
|--|---------------------|---|--|
| US 2006-0133585 A1                     | 22.06.2006          | US 2004-0158471 A1<br>US 8027438 B2   | 12.08.2004<br>27.09.2011   |
| US 2010-0293230 A1                     | 18.11.2010          | None  |  |
| US 2007-0208813 A1                     | 06.09.2007          | AU 2007-217948 A1 AU 2007-217948 B2 BR P10707946A2 CA 2642171 A1 CN 101385024 A EP 1989643 A1 IL 193300D0 JP 2009-527811 A JP 2009-527811 T KR 10-2008-0094068 A MX 2008010477 A NO 20083490A RU 2008133569 A WO 2007-098012 A1 ZA 200806927A | 30.08.2007<br>12.01.2012<br>17.05.2011<br>30.08.2007<br>11.03.2009<br>12.11.2008<br>04.05.2009<br>30.07.2009<br>30.07.2009<br>22.10.2008<br>23.10.2008<br>17.11.2008<br>20.02.2010<br>30.08.2007<br>28.10.2009 |
| JP 2003-058481 A                       | 28.02.2003          | None  |  |
| KR 10-2006-0056655 A                   | 25.05.2006          | CN 101069198 A0<br>US 2007-0294078 A1<br>WO 2006-054884 A1  | 07.11.2007<br>20.12.2007<br>26.05.2006   |