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G06Q 50/00 (2012.01) *H04M 3/42* (2006.01)
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

[Continued on next page]

(54) **Title:** MULTIMODAL TELEPHONE CALLS

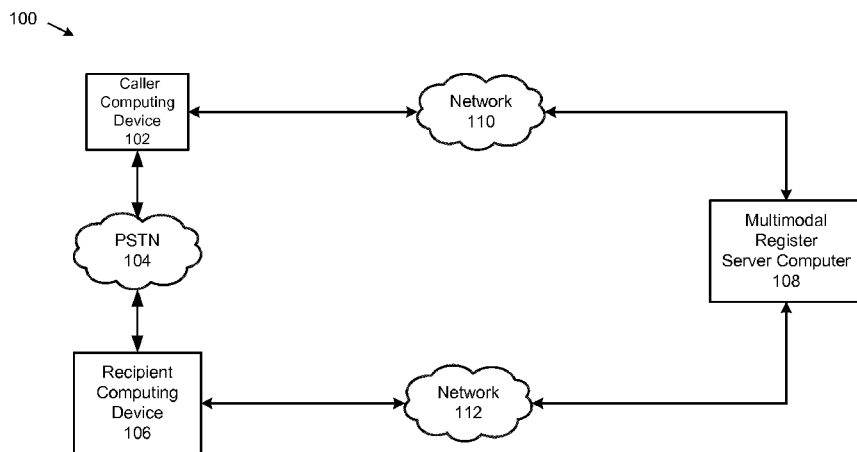
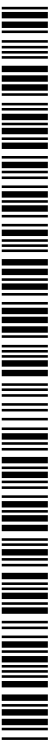


FIG. 1

(57) **Abstract:** A method for establishing a multimodal telephone call is provided. On a first computing device, a telephone call is received from a second computing device. On the first computing device, a response is sent to the second computing device that a telephony session is established between the first computing device and the second computing device. On the first computing device, a request message is sent to register the first computing device for a data session at an online registry service. On the first computing device, a response message is received indicating that the first computing device is registered at the online registry service. The response message includes a key that uniquely identifies the data session. On the first computing device, the key is used to establish the data session with the second computing device.



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3 January 2013

A. CLASSIFICATION OF SUBJECT MATTER**H04L 29/06(2006.01)i, G06Q 50/00(2006.01)i, H04L 5/00(2006.01)i, H04M 3/42(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)

H04L 29/06; G06F 15/16; G06F 15/173; G06F 15/13; H04N 7/14

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: multimodal, telephone, call, session, key, identifier, register server, number, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6693662 B1 (B. J. PARKER et al.) 17 February 2004 See abstract; claims 1, 2; column 5 lines 1-9, column 6 line 11-column 7 line 9, column 8 line 42-column 9 line 39; figures 4, 5, 8.	1-10
A	US 2008-0086564 A1 (J. R. PUTMAN et al.) 10 April 2008 See abstract; claims 1, 19; paragraphs [34], [62], [83], [124], [138], [144], [145], [173]-[176], [215]-[246], [478], [479]; figures 1, 3A, 8A-9, 12.	1-10
A	US 7490125 B1 (R. JAGADEESAN et al.) 10 February 2009 See abstract; claims 1-12; column 3 lines 1-21, column 4 lines 13-22; figures 1-3, 7.	1-10
A	US 2006-0095556 A1 (J. F. ARNOLD) 04 May 2006 See abstract; claims 1, 3, 6; paragraphs [17]-[24], [50]-[56], [77]-[82]; figures 1, 5, 6.	1-10

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

* Special categories of cited documents:

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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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

25 JULY 2012 (25.07.2012)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2011/062169

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of :

a. a sequence listing filed or furnished

- on paper
- in electronic form

b. time of filing or furnishing

- contained in the international application as filed
- filed together with the international application in electronic form
- furnished subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-3 and 10 are directed to a method or a computer-readable storage medium, wherein a telephony session is established through the exchange of messages between a first computing device and a second computing device, but regarding a data session, the first computing device sends a request to register itself at an online registry service, after receiving a key identifying the data session, using the key to establish the data session between two computing devices.

Claims 4-9 are directed to a method wherein a data session is established between a second computing device and a third computing device after determining that the telephone numbers from the second computing device and the third computing device are matched each other.

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/062169

Patent document cited in search report	Publication date	Patent family member(s)	Publication date		
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		US 7844254 B2	30.11.2010		