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- (71) **Applicant (for all designated States except US):**
LIVEPERSON, INC. [US/US]; 462 7th Avenue, 3rd Floor, New York, NY 10018 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** **BARAK, Matan** [IL/IL]; 23th Macabi Street, 43254 Ra'anana (IL).
- (74) **Agent:** **PICCOLOMINI, Zachary P.**; Proskauer Rose LLP, One International Place, Boston, MA 02110 (US).
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[Continued on next page]

(54) **Title:** METHOD AND DEVICE FOR AUTHENTICATION OF SERVICE REQUESTS

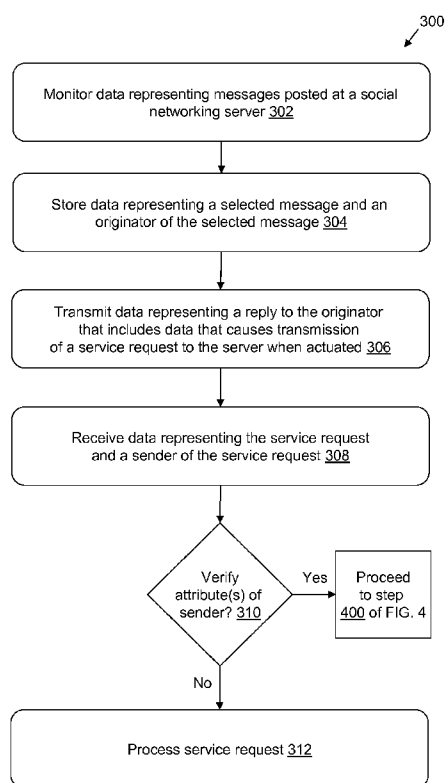


FIG. 3

(57) **Abstract:** Described are computer-based methods and apparatuses, including computer program products, for authenticating user service requests from a social networking site. Data representing a selected message and an originator of the selected message is stored. Data representing a reply to the originator of the selected message is transmitted for posting at the social networking server, the reply including data that causes transmission of a service request to the server when actuated. Data representing the service request and a sender of the service request is received. Data representing a user profile of the sender of the service request is retrieved from the social networking server. One or more attributes of the user profile of the sender are compared against one or more attributes of the stored data representing the originator of the selected message in order to verify the one or more attributes of the user profile.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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ADD.

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 H04L

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)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009/307003 A1 (BENYAMIN DANIEL [US] ET AL) 10 December 2009 (2009-12-10) paragraph [0030] - paragraph [0032] paragraph [0035] - paragraph [0041] -----	1-15
A	WO 2010/099632 A1 (GOOGLE INC [US]; ZHANG DONG [CN]; CHANG EDWARD Y [US]) 10 September 2010 (2010-09-10) paragraphs [0059], [0060] paragraph [0071] - paragraph [0087] -----	1-15
A	"OAuth core 1.0 Revision A", INTERNET CITATION, 24 June 2009 (2009-06-24), pages 1-27, XP002570263, Retrieved from the Internet: URL:http://oauth.net/core/1.0a/ [retrieved on 2009-06-24] page 7, line 45 - page 11, line 24 -----	6



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Ströbeck, Anders

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009307003	A1	10-12-2009	NONE

WO 2010099632	A1	10-09-2010	AU 2009341525 A1 22-09-2011
			CA 2754121 A1 10-09-2010
			CN 102414705 A 11-04-2012
			EP 2404264 A1 11-01-2012
			WO 2010099632 A1 10-09-2010
