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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KW,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA,
PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD,
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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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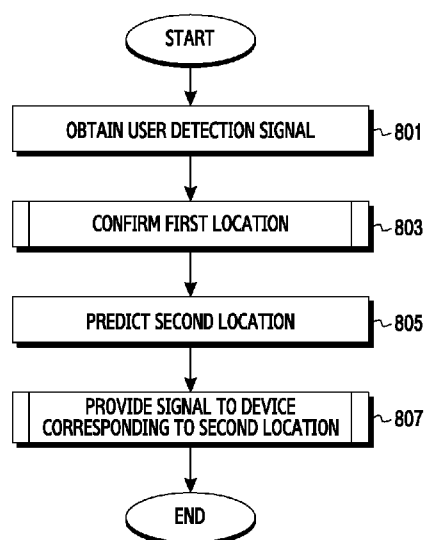
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(54) Title: ELECTRONIC APPARATUS AND OPERATING METHOD THEREOF



(57) **Abstract:** The present disclosure relates to an electronic device and an operating method thereof. The electronic device includes a memory configured to store at least one expected movement path, and a processor configured to confirm a first location of a user, predict a second location on a basis of the first location and a pre-stored at least one expected movement path, and providing an information service providing signal to at least one external device present in the second location. The method includes confirming a first location of a user, predicting a second location on a basis of the first location and a pre-stored at least one expected movement path, and providing an information service providing signal to at least one external device present in the second location.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2017/003771**A. CLASSIFICATION OF SUBJECT MATTER****H04W 4/02(2009.01)i, H04W 88/02(2009.01)i, H04L 29/08(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)

H04W 4/02; H04N 7/18; G06Q 30/00; G05B 15/02; H04W 4/00; H04W 64/00; G06F 7/06; H04W 88/02; H04L 29/08

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: location, predict, prestored, and service

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2015-0025659 A1 (GOOGLE INC.) 22 January 2015 See paragraphs [0019], [0020], [0028], [0030]-[0032], [0035], [0036]; and claims 1-13.	1, 2, 6, 7, 11-14
Y		3-5, 8-10, 15
Y	US 2012-0028650 A1 (WILLIAM T. COOPER et al.) 02 February 2012 See paragraphs [0029]-[0034]; and claim 1.	3-5, 8-10, 15
A	US 8977748 B1 (GOOGLE INC.) 10 March 2015 See column 14, line 8 - column 16, line 8; and claims 1-3.	1-15
A	US 2010-0070334 A1 (DANTE MONTEVERDE) 18 March 2010 See paragraphs [0035]-[0038]; and claim 1.	1-15
A	KR 10-1015577 B1 (BEST DIGITAL CO., LTD.) 17 February 2011 See paragraphs [0071]-[0089]; and claim 1.	1-15



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

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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 2015-0025659 A1	22/01/2015	WO 2015-009819 A1	22/01/2015
US 2012-0028650 A1	02/02/2012	US 2014-0342696 A1 US 8812018 B2	20/11/2014 19/08/2014
US 8977748 B1	10/03/2015	US 8661121 B1	25/02/2014
US 2010-0070334 A1	18/03/2010	None	
KR 10-1015577 B1	17/02/2011	WO 2012-030189 A2 WO 2012-030189 A3	08/03/2012 31/05/2012