

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/007834

A. CLASSIFICATION OF SUBJECT MATTER

G06Q 10/04(2012.01)i, G06Q 30/02(2012.01)i, G06F 17/18(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 10/04; G06Q 10/10; B60K 28/02; G08G 1/00; B60K 28/06; G06Q 30/02; G06F 17/18

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: IPC as above
Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: life-logging, variable, path model, cause and effect, statistical, significance, output

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | JP 2017-027414 A (HITACHI SYSTEMS LTD.) 02 February 2017 See paragraphs [0022], [0046], [0048], [0070]-[0102], claim 7 and figure 12. | 1-16 |
| Y | KR 10-2016-0036968 A (KOOKMIN UNIVERSITY INDUSTRY ACADEMY COOPERATION FOUNDATION) 05 April 2016 See paragraphs [0016], [0026], [0029], claims 1-2, 6 and figure 1. | 1-16 |
| Y | SONG, Tae Min, "Structural Equation Model Analysis Utilizing Panel Data", Korea Institute for Health and Social Affairs, 23 September 2013. See pages 2-5, 8, 12-13. | 1-16 |
| Y | CHO, A Young et al., "The Path Analysis of Heart Responses Based on Ballistocardiography and Life Patterns", The HCI Society of Korea, February 2017, pages 249-252. See page 250. | 3,11 |
| A | KR 10-2011-0039733 A (INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY) 20 April 2011 See claims 1, 4-5, 8-9 and figure 1. | 1-16 |

 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 another 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

26 JANUARY 2018 (26.01.2018)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR


 Korean Intellectual Property Office
 Government Complex Daejeon Building 4, 189, Cheongsa-ro, Seo-gu,
 Daejeon, 35208, Republic of Korea

Facsimile No. +82-42-481-8578

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2017/007834

| Patent document cited in search report | Publication date | Patent family member | Publication date |
|--|------------------|----------------------|------------------|
| JP 2017-027414 A | 02/02/2017 | NONE | |
| KR 10-2016-0036968 A | 05/04/2016 | NONE | |
| KR 10-2011-0039733 A | 20/04/2011 | KR 10-1133515 B1 | 04/04/2012 |