

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2018/011597

A. CLASSIFICATION OF SUBJECT MATTER

G01N 27/327(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)

G01N 27/327; A61B 5/05; C12Q 1/00; G01N 27/416; G06F 11/00; G06F 7/20

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: bio, sensor, electricity, chemical, error, error, error, comparison, sampling, time, determination, distinction, processor, measurement and malfunction

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2008-304250 A (GUNZE LTD.) 18 December 2008 See paragraphs [0024]-[0036] and figures 3-4.	1-4,8-11
Y		5-7,12-14
Y	JP 2012-213458 A (OMRON HEALTHCARE CO., LTD.) 08 November 2012 See paragraphs [0060]-[0081] and figures 5-8.	5-7,12-14
A	WO 2014-083858 A1 (PANASONIC CORPORATION) 05 June 2014 See paragraphs [0036]-[0043] and figure 6.	1-14
A	KR 10-2016-0055842 A (LIFESCAN SCOTLAND LIMITED) 18 May 2016 See paragraphs [0204]-[0207] and figure 6a.	1-14
A	US 2010-0275108 A1 (SLOAN et al.) 28 October 2010 See paragraphs [0071]-[0073] and figures 1, 6.	1-14

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	“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
“E” earlier application or patent but published on or after the international filing date	“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
“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)	“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
“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
“P” document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

18 JANUARY 2019 (18.01.2019)

Date of mailing of the international search report

18 JANUARY 2019 (18.01.2019)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
 Government Complex Daejeon Building 4, 189, Cheongsu-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/KR2018/011597

Patent document cited in search report	Publication date	Patent family member	Publication date
JP 2008-304250 A	18/12/2008	JP 4873170 B2	08/02/2012
JP 2012-213458 A	08/11/2012	NONE	
WO 2014-083858 A1	05/06/2014	JP 2018-013495 A JP 6218749 B2 US 2015-0241371 A1 US 2017-0269013 A1	25/01/2018 25/10/2017 27/08/2015 21/09/2017
KR 10-2016-0055842 A	18/05/2016	AU 2014-320496 A1 CA 2923341 A1 CN 105556298 A EP 3044573 A1 JP 2016-532872 A JP 6404932 B2 RU 2016113275 A RU 2016113275 A3 TW 201522961 A US 2015-0068922 A1 US 9828621 B2 WO 2015-036392 A1	19/03/2015 19/03/2015 04/05/2016 20/07/2016 20/10/2016 17/10/2018 16/10/2017 04/07/2018 16/06/2015 12/03/2015 28/11/2017 19/03/2015
US 2010-0275108 A1	28/10/2010	US 2016-0119203 A1 US 9226701 B2 WO 2010-127050 A1	28/04/2016 05/01/2016 04/11/2010