

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/068565

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01R31/36 G01R31/04 G01R31/02
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)
G01R

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2016/061909 A1 (IINO JUNICHI [JP] ET AL) 3 March 2016 (2016-03-03)	1,2,4-10
Y	abstract; figures 1-4 paragraphs [0008] - [0015], [0031] - [0047]	3
Y	----- JP 2014 102127 A (DENSO CORP) 5 June 2014 (2014-06-05) abstract; figures 1-8 paragraphs [0081] - [0087], [0104] - [0112]	3
X	----- US 2015/137824 A1 (NISHIHARA YOSHITOMO [JP]) 21 May 2015 (2015-05-21)	1,7-10
A	abstract; figures 1,7-10 paragraphs [0005] - [0008], [0018], [0053] - [0058]	2-6
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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
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- "O" document referring to an oral disclosure, use, exhibition or other means
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"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

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"&" document member of the same patent family

Date of the actual completion of the international search 4 October 2018	Date of mailing of the international search report 17/10/2018
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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 Kleiber, Michael
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/48290 A1 (GOTAAS EINAR [NO]) 29 October 1998 (1998-10-29) abstract; figures 1-2 page 2, line 23 - page 3, line 29; claim 1 -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
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			JP 2016050870 A	11-04-2016
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			NO 971841 A	23-10-1998
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