

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2017/074317

A. CLASSIFICATION OF SUBJECT MATTER
 INV. G01S15/93 G01S7/539 G01S15/46
 ADD. G01S15/58

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)
 G01S

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 10 2012 200308 A1 (BOSCH GMBH ROBERT [DE]) 11 July 2013 (2013-07-11)	1-4,6-10
Y	paragraphs [0002], [0005], [0010], [0011], [0013]; figure 1	4,5,7
	paragraphs [0030] - [0033]; figure 2	
	paragraphs [0036], [0039] - [0041]; figure 3	

X	DE 10 2014 111125 A1 (VALEO SCHALTER & SENSOREN GMBH [DE])	1-4,6-10
	11 February 2016 (2016-02-11)	
Y	paragraphs [0001], [0009], [0019], [0043], [0044]; figures 1-3	4,5,7

	-/--	

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	Date of mailing of the international search report
13 December 2017	22/12/2017

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 Schmelz, Christian
--	--

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2017/074317

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 764 630 A1 (HELLA KGAA HUECK & CO [DE]) 21 March 2007 (2007-03-21) cited in the application	1-4,6-10
Y	paragraphs [0003], [0004], [0009] - [0014]; figures 1-3 -----	4,5,7
Y	DE 10 2010 063944 A1 (BOSCH GMBH ROBERT [DE]) 28 June 2012 (2012-06-28) paragraphs [0009], [0013], [0042] - [0044], [0046]; figures 1,2,5,6 -----	4,5,7
Y	US 2015/130607 A1 (MACARTHUR DAVID [US]) 14 May 2015 (2015-05-14) paragraphs [0040], [0041], [0049] -----	5,7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2017/074317

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102012200308 A1	11-07-2013	NONE	

DE 102014111125 A1	11-02-2016	DE 102014111125 A1	11-02-2016
		WO 2016020347 A1	11-02-2016

EP 1764630 A1	21-03-2007	AT 425470 T	15-03-2009
		DE 102005044050 A1	22-03-2007
		EP 1764630 A1	21-03-2007

DE 102010063944 A1	28-06-2012	NONE	

US 2015130607 A1	14-05-2015	NONE	
