

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/050729

A. CLASSIFICATION OF SUBJECT MATTER
INV. B60L11/18 H01M2/12
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)
B60L H01M
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	WO 2014/195648 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 11 December 2014 (2014-12-11) abstract; figures 1-5	1,2,7
Y	page 6, line 16 - page 7, line 19	4,6,8-10
A	-----	3,5
X	DE 10 2013 204585 A1 (BOSCH GMBH ROBERT [DE]) 18 September 2014 (2014-09-18) paragraph [0032] - paragraph [0037]; figures 1, 3	1,2
X	EP 2 757 612 A1 (TOYOTA JIDOSHOKKI KK [JP]) 23 July 2014 (2014-07-23) paragraph [0015] - paragraph [0040]; figure 3	1,2
Y	-----	4,6
	-/--	

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 11 April 2018	Date of mailing of the international search report 18/04/2018
---	---

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 Berkus, Frank
--	--

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/050729

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 8 663 824 B1 (FREY PAUL [US] ET AL) 4 March 2014 (2014-03-04) figures 1,2,8,9,10 -----	4,6
X	US 5 643 691 A (IWATSUKI SYUICHIRO [JP] ET AL) 1 July 1997 (1997-07-01) figures 8-11 -----	1,8
Y	JP 2013 039006 A (TOYOTA MOTOR CORP) 21 February 2013 (2013-02-21) figure 1 -----	4,6,8-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2018/050729

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014195648 A1	11-12-2014	FR 3006811 A1 WO 2014195648 A1	12-12-2014 11-12-2014

DE 102013204585 A1	18-09-2014	NONE	

EP 2757612 A1	23-07-2014	CN 103943795 A EP 2757612 A1 JP 6056499 B2 JP 2014139895 A US 2014205878 A1	23-07-2014 23-07-2014 11-01-2017 31-07-2014 24-07-2014

US 8663824 B1	04-03-2014	US 8663824 B1 US 8778519 B1	04-03-2014 15-07-2014

US 5643691 A	01-07-1997	JP 2967904 B2 JP H07245089 A US 5643691 A	25-10-1999 19-09-1995 01-07-1997

JP 2013039006 A	21-02-2013	NONE	
