

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/072841

A. CLASSIFICATION OF SUBJECT MATTER**B60D 1/36**(2006.01)i; **B60D 1/01**(2006.01)i; **B60D 1/62**(2006.01)i; **B60W 40/00**(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)

B60D; B60W

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 2017100716 A1 (EATON CORP [US]) 15 June 2017 (2017-06-15) paragraphs [0061], [6595] - [0117] figures 2B,3,8,9A,9B	1-15
X	DE 202013008221 U1 (LEY DIETER [DE]) 20 March 2014 (2014-03-20) paragraph [0011] figures 1,2	1-9,12,15
X	EP 3081405 A2 (CONTINENTAL AUTOMOTIVE SYSTEMS [US]) 19 October 2016 (2016-10-19) paragraphs [0001], [0011] - [0022] figures 1,2	1-7,10,12,14,15

 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

28 November 2018

Date of mailing of the international search report

05 December 2018

Name and mailing address of the ISA/EP

European Patent Office
p.b. 5818, Patentlaan 2, 2280 HV Rijswijk
Netherlands

Telephone No. (+31-70)340-2040

Facsimile No. (+31-70)340-3016

Authorized officer

Schmidt, Rémi

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2018/072841

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
WO	2017100716	A1	15 June 2017	CN	108473012	A	31 August 2018
				WO	2017100716	A1	15 June 2017
DE	202013008221	U1	20 March 2014	NONE			
EP	3081405	A2	19 October 2016	CN	106043281	A	26 October 2016
				EP	3081405	A2	19 October 2016
				JP	2016203972	A	08 December 2016
				US	2016304122	A1	20 October 2016