

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/073199

A. CLASSIFICATION OF SUBJECT MATTER

B60W 30/184(2012.01)i; **B60W 10/11**(2012.01)i; **B60K 17/28**(2006.01)i; **B60W 10/30**(2006.01)i; **B60K 25/06**(2006.01)i;
B60W 30/188(2012.01)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)

B60W; B60K

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.
A	DE 19635200 A1 (PUTZMEISTER AG [DE]) 05 March 1998 (1998-03-05) column 1, line 32 - line 45 column 2, line 53 - column 4, line 9; figures 1,2	1-10
A	DE 102015215468 A1 (ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]) 16 February 2017 (2017-02-16) paragraph [0006] paragraph [0012] - paragraph [0013] paragraph [0024] - paragraph [0026]; figure 2 paragraph [0029] paragraph [0032]	1-10
A	US 4811804 A (EWERS RONALD L [US] ET AL) 14 March 1989 (1989-03-14) column 3, line 35 - column 6, line 12; figures 1-4	1,8

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

08 November 2018

Date of mailing of the international search report

29 November 2018

Name and mailing address of the ISA/EP

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2018/073199

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
DE	19635200	A1	05 March 1998	CA	2263432	A1	05 March 1998
				DE	19635200	A1	05 March 1998
				EP	0922162	A1	16 June 1999
				ES	2184114	T3	01 April 2003
				JP	4102443	B2	18 June 2008
				JP	2000517394	A	26 December 2000
				KR	20000029914	A	25 May 2000
				US	6164923	A	26 December 2000
				WO	9809076	A1	05 March 1998
DE	102015215468	A1	16 February 2017	NONE			
US	4811804	A	14 March 1989	CA	1274779	A	02 October 1990
				US	4811804	A	14 March 1989