

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/063314

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01H1/00 B21D55/00 B23Q11/00 G01H3/00 G05B19/00
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)
G01H B21D B23Q G05B G01N

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	EP 0 215 268 A1 (SIEMENS AG [DE]) 25 March 1987 (1987-03-25) abstract figure 1 columns 1-6	1-7,9-12
X	----- DE 198 37 369 A1 (BENTELER WERKE AG [DE]) 2 March 2000 (2000-03-02) abstract figures 1,4-6 columns 1-6	1-7,9-12
X	----- DE 10 2012 100096 A1 (BENTELER AUTOMOBILTECHNIK GMBH [DE]) 11 July 2013 (2013-07-11) abstract figures 1,2,7-9 pages 2-7 -----	1-7,9-12
	-/--	

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 26 July 2018	Date of mailing of the international search report 06/08/2018
---	--

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 Meyer, Matthias
--	---

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/063314

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 42 42 442 A1 (DAIMLER BENZ AG [DE]) 23 June 1994 (1994-06-23) abstract figures 1,3,4 columns 2-10	1-7,9-12
X	----- DE 10 2007 060278 A1 (PORSCHE AG [DE]; KWD AUTOMOBILTECHNIK KAROSSERI [DE]; MEDAV GMBH [DE]) 18 June 2009 (2009-06-18) abstract figure 1 pages 2-4 claims 1-18	1-7,9-12
X	----- US 4 023 044 A (MILLER ROBERT C ET AL) 10 May 1977 (1977-05-10) abstract figures 1,2,3-6 columns 1-7 -----	1-7,9-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2018/063314

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0215268	A1	25-03-1987	EP 0215268 A1 25-03-1987
			JP S6244359 A 26-02-1987

DE 19837369	A1	02-03-2000	CZ 9902906 A3 16-01-2002
			DE 19837369 A1 02-03-2000
			ES 2159476 A1 01-10-2001
			FR 2782464 A1 25-02-2000
			GB 2340604 A 23-02-2000
			IT RM990524 A1 13-02-2001

DE 102012100096	A1	11-07-2013	NONE

DE 4242442	A1	23-06-1994	DE 4242442 A1 23-06-1994
			ES 2092950 A2 01-12-1996
			FR 2699097 A1 17-06-1994
			IT 1266445 B1 30-12-1996
			JP 2699052 B2 19-01-1998
			JP H0768327 A 14-03-1995
			US 5448902 A 12-09-1995

DE 102007060278	A1	18-06-2009	DE 102007060278 A1 18-06-2009
			EP 2222419 A1 01-09-2010
			US 2010326195 A1 30-12-2010
			WO 2009074220 A1 18-06-2009

US 4023044	A	10-05-1977	AU 1014476 A 14-07-1977
			BE 837711 A 20-07-1976
			BR 7600241 A 31-08-1976
			CA 1125891 A 15-06-1982
			CH 602273 A5 31-07-1978
			DE 2600680 A1 22-07-1976
			ES 444479 A1 16-09-1977
			FR 2297692 A1 13-08-1976
			GB 1511942 A 24-05-1978
			IT 1056685 B 20-02-1982
			JP S5197075 A 26-08-1976
			JP S5939240 B2 21-09-1984
			SE 430005 B 10-10-1983
			US 4023044 A 10-05-1977
			US 4088899 A 09-05-1978
			ZA 7508065 B 29-12-1976
