

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AT2019/060410

**A. CLASSIFICATION OF SUBJECT MATTER***F02B 75/04*(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)

F02B

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.
A	WO 2015055582 A2 (AVL LIST GMBH [AT]) 23 April 2015 (2015-04-23) cited in the application the whole document	1-15
A	WO 2018060458 A1 (AVL LIST GMBH [AT]) 05 April 2018 (2018-04-05) abstract; figure 1b	1-15
A	DE 102018205184 A1 (AVL LIST GMBH [AT]) 11 October 2018 (2018-10-11) abstract; figures 5-6	1-15
A	DE 102017217474 A1 (AVL LIST GMBH [AT]; IWIS MOTORSYSTEME GMBH & CO KG [DE]) 05 April 2018 (2018-04-05) the whole document	1-15

 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

07 February 2020

Date of mailing of the international search report

19 February 2020

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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/AT2019/060410**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
WO	2015055582	A2	23 April 2015	AT	514071	A4	15 October 2014
				CN	105814327	A	27 July 2016
				EP	3058239	A2	24 August 2016
				JP	6467412	B2	13 February 2019
				JP	2016535838	A	17 November 2016
				KR	20160073979	A	27 June 2016
				US	2016237889	A1	18 August 2016
				WO	2015055582	A2	23 April 2015
WO	2018060458	A1	05 April 2018	NONE			
DE	102018205184	A1	11 October 2018	AT	519652	A4	15 September 2018
				DE	102018205184	A1	11 October 2018
DE	102017217474	A1	05 April 2018	AT	519156	A1	15 April 2018
				DE	102017217474	A1	05 April 2018