

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2020/059976

A. CLASSIFICATION OF SUBJECT MATTER**G06F 16/904**(2019.01)i; **B60K 35/00**(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)

G06F; 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, 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 3296892 A1 (VOLKSWAGEN AG [DE]) 21 March 2018 (2018-03-21) paragraphs [0001], [0005], [0016], [0022], [0034], [0035]; figures 1, 6-9	1-10
X	WO 2015075162 A1 (BAYERISCHE MOTOREN WERKE AG [DE]) 28 May 2015 (2015-05-28) page 1, line 24 - page 2, line 14 page 3, line 14 - page 4, line 13 page 9, line 20 - page 10, line 14 page 14, line 28 - page 15, line 2 page 16, line 24 - page 17, line 27 page 18, line 18 - line 23; figures 2, 7, 8	1-10
A	DE 102007028749 A1 (VOLKSWAGEN AG [DE]) 10 June 2009 (2009-06-10) the whole document	1-10

 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

09 June 2020

Date of mailing of the international search report

19 June 2020

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2020/059976

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
EP	3296892	A1	21 March 2018	CN	107844235	A	27 March 2018
				DE	102016218011	A1	22 March 2018
				EP	3296892	A1	21 March 2018
				KR	20180031607	A	28 March 2018
				KR	20190069371	A	19 June 2019
				KR	20200046007	A	06 May 2020
				US	2018081507	A1	22 March 2018
WO	2015075162	A1	28 May 2015	DE	102013223972	A1	28 May 2015
				EP	3074265	A1	05 October 2016
				WO	2015075162	A1	28 May 2015
DE	102007028749	A1	10 June 2009	NONE			