



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 22 73 65 17

### Classification of the application (IPC):

G06F 3/0485, G06F 3/0481, G06F 3/04817, G06F 3/0482, G06F 3/0488,  
G06F 3/04883, B60K 35/28, B60K 35/29, B60K 35/81, G09G 5/10, G06F 3/14

### Technical fields searched (IPC):

G06F, B60K, G09G

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	CN 110209327 A (BAIDU ONLINE NETWORK TECHNOLOGY BEIJING CO LTD) 06 September 2019 (2019-09-06) * abstract * * paragraph [0001] - paragraph [0017] * * paragraph [0030] - paragraph [0085]; figures 1, 2 * * paragraph [0133] - paragraph [0184]; figures 5-8 *	1-15
A	US 2020125228 A1 (CHION JAMES A [US] ET AL) 23 April 2020 (2020-04-23) * abstract * * paragraph [0001] - paragraph [0006] * * paragraph [0044] - paragraph [0049]; figure 1 * * paragraph [0066] - paragraph [0073]; figures 2, 3, 5 * * paragraph [0081] - paragraph [0088]; figure 10 * * paragraph [0110] - paragraph [0119]; figure 15 * * paragraph [0124] - paragraph [0144]; figures 19-25 * * paragraph [0153] - paragraph [0159]; figure 27 *	1-15
A	US 2016150020 A1 (FARMER JASON RYAN [US] ET AL) 26 May 2016 (2016-05-26) * abstract * * paragraph [0001] - paragraph [0003] * * paragraph [0065] - paragraph [0076]; figure 5 * * paragraph [0085] - paragraph [0088]; figure 9 * * paragraph [0099] - paragraph [0106]; figures 1-4, 6-8, 10-12 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 07 May 2024	Examiner Ribeiro, Jorge
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 07-05-2024.  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 110209327	A	06-09-2019	NONE
US 2020125228	A1	23-04-2020	NONE
US 2016150020	A1	26-05-2016	AU 2015350267 A1 11-05-2017 BR 112017008421 A2 26-12-2017 CA 2965703 A1 26-05-2016 CN 107077317 A 18-08-2017 EP 3221783 A1 27-09-2017 JP 7093181 B2 29-06-2022 JP 2018508843 A 29-03-2018 KR 20170088384 A 01-08-2017 RU 2017117421 A 21-11-2018 US 2016150020 A1 26-05-2016 WO 2016081326 A1 26-05-2016