



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 87 47 11

Classification of the application (IPC):
G10L 19/008, G10L 25/18, H04S 7/00, H04S 1/00, G06N 20/00

Technical fields searched (IPC):
G10L, H04S

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2018249268 A1 (WU TSAI-YI [US] ET AL) 30 August 2018 (2018-08-30) * figure 2A *	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 The Hague	Date of completion of the search 07 September 2023	Examiner Taddei, Hervé
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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 07-09-2023
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2018249268	A1	30-08-2018	AU 2015413301 A1 10-05-2018
			CN 108293165 A 17-07-2018
			EP 3369257 A1 05-09-2018
			HK 1254634 A1 26-07-2019
			JP 6620235 B2 11-12-2019
			JP 2018536342 A 06-12-2018
			KR 20180075610 A 04-07-2018
			TW 201727623 A 01-08-2017
			US 2018247633 A1 30-08-2018
			US 2018249268 A1 30-08-2018
			US 2018249269 A1 30-08-2018
			US 2018310110 A1 25-10-2018
			WO 2017074321 A1 04-05-2017