



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 74 16 28

Classification of the application (IPC):
H04R 1/10, H04R 3/00, H04R 5/04, H04R 1/22, G10K 11/178

Technical fields searched (IPC):
H04R, G10K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2015264469 A1 (MURATA YASUNOBU [JP] ET AL) 17 September 2015 (2015-09-17) * paragraph [0002] - paragraph [0006] * * paragraph [0046] - paragraph [0048] * * paragraph [0098] - paragraph [0210] * * paragraph [0233]; figures 3, 8, 15-20 *	1-5, 7-15 6
X	EP 2779685 A1 (SONY CORP [JP]) 17 September 2014 (2014-09-17) * paragraph [0006] - paragraph [0008] * * paragraph [0109] * * paragraph [0264] - paragraph [0320] * * paragraph [0340]; figures 2, 3, 5-8, 12-16 *	1, 10, 15
Y	US 2017040029 A1 (EBENEZER SAMUEL PON VARMA [US]) 09 February 2017 (2017-02-09) * paragraph [0002] * * paragraph [0022] - paragraph [0027] * * paragraph [0072]; figures 2-6 *	6
A	EP 3206413 A1 (GOERTEK INC [CN]) 16 August 2017 (2017-08-16) * paragraph [0002] - paragraph [0040]; figures 1-2 *	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 25 March 2021	Examiner Valenzuela, Miriam
------------------------------	---	--------------------------------

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 |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 74 16 28

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 25-03-2021.
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
US 2015264469 A1	17-09-2015	CN 104918177 A	16-09-2015
		JP 2015173369 A	01-10-2015
		US 2015264469 A1	17-09-2015
		US 2018084332 A1	22-03-2018
		US 2019297411 A1	26-09-2019
EP 2779685 A1	17-09-2014	CN 104081789 A	01-10-2014
		EP 2779685 A1	17-09-2014
		EP 3687189 A2	29-07-2020
		JP 2013102370 A	23-05-2013
		US 2014314245 A1	23-10-2014
		US 2020236463 A1	23-07-2020
		WO 2013069556 A1	16-05-2013
US 2017040029 A1	09-02-2017	JP 2018527857 A	20-09-2018
		KR 20180036778 A	09-04-2018
		US 2017040029 A1	09-02-2017
		WO 2017027397 A2	16-02-2017
EP 3206413 A1	16-08-2017	CN 105611443 A	25-05-2016
		EP 3206413 A1	16-08-2017
		US 2018091886 A1	29-03-2018
		WO 2017113768 A1	06-07-2017