

## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 19 76 44 51

Classification of the application (IPC): H04B 7/08, H04B 7/06, H03M 13/39

Technical fields searched (IPC): H04B, H03M

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim				
х	US 2015280802 A1 (THOMAS TIMOTHY [US] ET AL) 01 October 2015 (2015-10-01)	1, 2, 4-12, 14, 15				
Y	* paragraph [0027] - paragraph [0033] * * paragraph [0053] - paragraph [0065] *	3, 13				
Y A	US 2014334566 A1 (KIM CHAN-HONG [KR] ET AL) 13 November 2014 (2014-11-13) * paragraph [0109] - paragraph [0112] *	3, 13 1, 2, 4-12, 14, 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 19 February 2021	<sub>Examiner</sub> Neeb, Christoph						
CATEGORY OF CITED DOCUMENTS								
X: particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category								

- technological background
- A: technological backgrou O: non-written disclosure
- & : member of the same patent family, corresponding document
- D: document cited in the application
- L: document cited for other reasons

EP 3 758 252 A4

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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 19-02-2021 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 2015280802	A1	01-10-2015	NONE		
US 2014334566	A1	13-11-2014	CN EP JP KR US WO	105210306 A 2995014 A1 6510496 B2 2016519537 A 20140133481 A 2014334566 A1 2014182143 A1	30-12-2015 16-03-2016 08-05-2019 30-06-2016 19-11-2014 13-11-2014 13-11-2014

For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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