SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 20 95 03 47

Classification of the application (IPC): H04B 5/02, H04B 1/59, H04B 5/00

Technical fields searched (IPC): H04B

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
X Y	US 2019074914 A1 (HUEBER GERNOT [AT] ET AL) 07 March 2019 (2019-03-07) * paragraphs [0041] - [0043], [0061]; figures 1,3 *	1, 3-9 2			
X Y	US 2018034510 A1 (HUEBER GERNOT [AT] ET AL) 01 February 2018 (2018-02-01) * paragraphs [0007], [0008], [0016], [0055] *	1, 3, 7-9 2			
Y	US 2019097459 A1 (ETTES WILHELMUS GERARDUS MARIA [NL]) 28 March 2019 (2019-03-28) * paragraphs [0247], [0253] *	2			
А	US 2017361113 A1 (AGHASSIAN DANIEL [US] ET AL) 21 December 2017 (2017-12-21) * paragraph [0120] *	1-9			

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

Date of completion of the search Place of search Examiner Munich 29 June 2023 Panahandeh, Ali

CATEGORY OF CITED DOCUMENTS

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

EP 4 181 410 A4



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 20 95 03 47

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 29-06-2023

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document in search repo		Publication date		Patent family member(s)	Publication date
US 2019074914	A1	07-03-2019	CN EP US	109428631 A 3451545 A2 2019074914 A1	05-03-2019 06-03-2019 07-03-2019
US 2018034510	A1	01-02-2018	CN EP JP JP US	107682843 A 3280064 A1 6967385 B2 2018028903 A 2018034510 A1	09-02-2018 07-02-2018 17-11-2021 22-02-2018 01-02-2018
US 2019097459	A1	28-03-2019	CN EP JP JP RU US WO	108781094 A 3427391 A1 6657419 B2 2019508004 A 2706348 C1 2019097459 A1 2017153164 A1	09-11-2018 16-01-2019 04-03-2020 22-03-2019 18-11-2019 28-03-2019 14-09-2017
US 2017361113	A1	21-12-2017	AU AU CA CN EP EP US US	2017286410 A1 2020200562 A1 3026654 A1 109328088 A 3454938 A1 3808408 A1 2017361113 A1 2020188680 A1 2017218349 A1	22-11-2018 13-02-2020 21-12-2017 12-02-2019 20-03-2019 21-04-2021 21-12-2017 18-06-2020 21-12-2017