



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 95 57 46

Classification of the application (IPC):  
H04B 1/10

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	US 2018226932 A1 (BEAUDIN STEVE ANDRE [US] ET AL) 09 August 2018 (2018-08-09) * paragraph [0047] - paragraph [0051] * * paragraphs [0119], [0213] * * figures 1,8 *	1-3, 8-14
X	US 2007184811 A1 (BALLANTYNE GARY J [NZ]) 09 August 2007 (2007-08-09) * paragraph [0049] - paragraph [0059] * * figures 2,3A *	1, 4-7, 13, 15
A	EP 1040586 A1 (QUALCOMM INC [US]) 04 October 2000 (2000-10-04) * paragraph [0025] * * figures 2,3 *	1-15
A	US 2004171361 A1 (VASANTH KARTHIK [US] ET AL) 02 September 2004 (2004-09-02) * paragraph [0004] * * figure 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 Munich	Date of completion of the search 15 September 2023	Examiner Avilés Martínez, L
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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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EP 20 95 57 46

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 15-09-2023  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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