



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 81 66 61

Classification of the application (IPC):  
H04Q 1/02

Technical fields searched (IPC):  
H04Q

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	CN 110830062 A (OPPO GUANGDONG MOBILE TELECOMMUNICATIONS CO LTD) 21 February 2020 (2020-02-21) * paragraphs [0040], [0041], [0042], [0044], [0047], [0050] *	1-3, 8-10, 15
A	CN 103079268 A (SHANGHAI HUANCHUANG COMM TECHNOLOGY CO LTD) 01 May 2013 (2013-05-01) * paragraphs [0034], [0035], [0036], [0040] *	1-15
A	CN 109495911 A (COMBA TELECOM SYS CHINA CO LTD ET AL.) 19 March 2019 (2019-03-19) * abstract **	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 24 August 2023	Examiner Bernardini, Andrea
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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 24-08-2023  
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
CN 110830062	A	21-02-2020	NONE	
CN 103079268	A	01-05-2013	NONE	
CN 109495911	A	19-03-2019	NONE	