



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 88 69 85

Classification of the application (IPC):
H04W 74/02, H04W 56/00

Technical fields searched (IPC):
H04W

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015230194 A1 (YANG MING [US] ET AL) 13 August 2015 (2015-08-13) * paragraph [0052] * * paragraph [0053] * * paragraph [0056] *	1-15
A	WO 2014059116 A1 (QUALCOMM INC [US]) 17 April 2014 (2014-04-17) * paragraph [0038] - paragraph [0041] *	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 15 July 2019	Examiner Tavakol, Vahid
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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 |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2015230194	A1	13-08-2015	US	2015230194 A1	13-08-2015
			WO	2015119782 A1	13-08-2015
WO 2014059116	A1	17-04-2014	CN	104956741 A	30-09-2015
			EP	2907350 A1	19-08-2015
			JP	2015532560 A	09-11-2015
			US	2014098798 A1	10-04-2014
			WO	2014059116 A1	17-04-2014

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