



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 85 38 76

**Classification of the application (IPC):**  
H04W 64/00, H04L 12/26, G01S 5/02, H04B 17/27

**Technical fields searched (IPC):**  
H04B, G01S

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
E	WO 2019040556 A1 (LOCIX INC [US]) 28 February 2019 (2019-02-28) * the whole document *	1-15
X	US 2007200759 A1 (HEIDARI-BATENI GHOBAD [US] ET AL) 30 August 2007 (2007-08-30) * abstract; figures 2-5,8 * * paragraph [0007] - paragraph [0018] * * paragraph [0053] - paragraph [0059] * * paragraph [0119] - paragraph [0120] * * paragraph [0124] - paragraph [0125] *	1-15
X	US 2014136093 A1 (BANIN LEOR [IL] ET AL) 15 May 2014 (2014-05-15) * abstract; figure 4 * * paragraph [0002] - paragraph [0005] * * paragraph [0013] - paragraph [0025] * * paragraph [0043] - paragraph [0054] * * paragraph [0073] *	1-15
A	<b>BIALER ODED ET AL:</b> "Location estimation in multipath environments with unsynchronized base stations" 2016 IEEE SENSOR ARRAY AND MULTICHANNEL SIGNAL PROCESSING WORKSHOP (SAM), IEEE, 10 July 2016 (2016-07-10), DOI: 10.1109/SAM.2016.7569638, pages 1-5, XP032962652 * the whole document *	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	Date of completion of the search	Examiner
Munich	22 April 2021	Galli, Paolo

## CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone  
 Y: particularly relevant if combined with another document of the same category  
 A: technological background  
 O: non-written disclosure  
 & : member of the same patent family, corresponding document

P: intermediate document  
 T: theory or principle underlying the invention  
 E: earlier patent document, but published on, or after the filing date  
 D: document cited in the application  
 L: document cited for other reasons



## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
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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 22-04-2021  
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
WO 2019040556	A1	28-02-2019	CN EP JP US WO	111033294 A 3707525 A1 2020531824 A 2019069263 A1 2019040556 A1	17-04-2020 16-09-2020 05-11-2020 28-02-2019 28-02-2019
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