

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/099927

A. CLASSIFICATION OF SUBJECT MATTER		
H04W 52/00(2009.01)i; H04W 72/04(2009.01)i; H04W 74/08(2009.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
H04L, H04W		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
CNABS; CNTXT; VEN; EPTXT; WOTXT; USTXT; CNKI; 3GPP: 覆盖增强等级, CE等级, 用户设备, 终端, 前导, 设置, 配置, 设定, 选择, 两个, 多个, 最大, 发射, 功率, coverage enhance level, CE level, user equipment, terminal, UE, pilot, preamble, set, configure, choose, select, two, multiple, max, most, transmit, power		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 105992328 A (HUAWEI TECHNOLOGIES CO., LTD.) 05 October 2016 (2016-10-05) claims 1, 2, 28 and 29, and description, paragraphs [0069], [0126] and [0416]-[0419]	1-4, 34-44
A	CN 105992328 A (HUAWEI TECHNOLOGIES CO., LTD.) 05 October 2016 (2016-10-05) entire document	5-33
X	CN 102893678 A (QUALCOMM INC.) 23 January 2013 (2013-01-23) claims 5 and 6	37, 42-44
A	CN 102893678 A (QUALCOMM INC.) 23 January 2013 (2013-01-23) entire document	1-36, 38-41
A	WO 2017134556 A1 (ERICSSON TELEFON AB L M PUBL) 10 August 2017 (2017-08-10) entire document	1-44
A	CN 104254135 A (SHARP KABUSHIKI KAISHA) 31 December 2014 (2014-12-31) entire document	1-44
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
10 October 2018		01 November 2018
Name and mailing address of the ISA/CN		Authorized officer
State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China		
Facsimile No. (86-10)62019451		Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	105992328	A	05 October 2016	WO	2016119583	A1	04 August 2016
				US	2017303204	A1	19 October 2017
				EP	3223573	A4	20 December 2017
				EP	3223573	A1	27 September 2017
CN	102893678	A	23 January 2013	EP	2572540	A1	27 March 2013
				JP	5661916	B2	28 January 2015
				EP	2572540	B1	22 August 2018
				CN	102893678	B	20 January 2016
				WO	2011130432	A1	20 October 2011
				US	8489100	B2	16 July 2013
				JP	2013530569	A	25 July 2013
				US	2011250899	A1	13 October 2011
WO	2017134556	A1	10 August 2017	CA	3013542	A1	10 August 2017
CN	104254135	A	31 December 2014	US	2016150570	A1	26 May 2016
				WO	2014206311	A1	31 December 2014
				JP	2016526836	A	05 September 2016