

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2018/010491

A. CLASSIFICATION OF SUBJECT MATTER

H04B 7/0456(2017.01)i, H04B 7/0404(2017.01)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)

H04B 7/0456; H04B 7/0404

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Korean Utility models and applications for Utility models: IPC as above
 Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: TPMI, DCI, codebook subset, codeword, DFT-s-OFDM

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ZTE, "Codebook Based UL Transmission", R1-1712285, 3GPP TSG RAN WG1 Meeting #90, Prague, Czech, 12 August 2017 See pages 1-5.	1,3,7-10,12,14
A		2,4-6,11,13
Y	CATT, "Discussion on Codebook Based UL MIMO Transmission", R1-1712364, 3GPP TSG RAN WG1 Meeting #90, Prague, Czech, 12 August 2017 See sections 1-3.	1,3,7-10,12,14
A	VIVO, "Discussion on Multi-panel Multi-TRP Transmission for UL", R1-1712834, 3GPP TSG RAN WG1 Meeting #90, Prague, Czech, 12 August 2017 See sections 1-6.	1-14
A	QUALCOMM INCORPORATED, "Codebook Based UL Transmission", R1-1713387, 3GPP TSG RAN WG1 Meeting #90, Prague, Czech, 12 August 2017 See pages 1-4.	1-14
A	HUAWEI et al., "Codebook Based Transmission for UL MIMO", R1-1713766, 3GPP TSG RAN WG1 Meeting #90, Prague, Czech, 12 August 2017 See sections 1-6.	1-14



Further documents are listed in the continuation of Box C.



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

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"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

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"&" document member of the same patent family


Date of the actual completion of the international search

02 JANUARY 2019 (02.01.2019)

Date of mailing of the international search report

02 JANUARY 2019 (02.01.2019)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2018/010491

Patent document cited in search report	Publication date	Patent family member	Publication date
None			