

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2017/097182

A. CLASSIFICATION OF SUBJECT MATTER

G05D 1/10 (2006.01) i; H04W 68/00 (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)

G05D; H04W; H04B; G06F

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)

CNPAT, CNKI, WPI, EPODOC, 3GPP, ETSI: 无人机, 航模, 飞行器, 无人驾驶飞机, 不载人飞机, 禁止, 限制, 禁飞, 净空, 空域, 飞行, 管理, 管制, 地理围栏, 广播, 寻呼, 基站, UAV, unmanned aerial vehicle, unmanned aircraft, aerial, drone, airborne, no drone, no fly, no flight, NFZ, flight restriction, forbidden, zone?, area?, temporary flight restriction, TFR, geo-fence, geophysical boundaries, SIB, system information, BS, base station, broadcast, node, eNB, enodeB, access point

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HUAWEI et al. Potential Deployment Scenario for Drones. 3GPP TSG-RAN WG2 Meeting #98 R2-1704999, 19 May 2017 (19.05.2017), section 2.4	1, 5-8, 12, 16-19, 23-26
Y	HUAWEI et al. Potential Deployment Scenario for Drones. 3GPP TSG-RAN WG2 Meeting #98 R2-1704999, 19 May 2017 (19.05.2017), section 2.4	2-4, 9-11, 13-15, 20-22
Y	CN 106954257 A (ZTE CORPORATION) 14 July 2017 (14.07.2017), description, paragraphs [0068]-[0092]	2-4, 9-11, 13-15, 20-22
A	CN 106970640 A (BEIJING XIAOMI MOBILE SOFTWARE CO., LTD. et al.) 21 July 2017 (21.07.2017), entire document	1-26

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	“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
“A” document defining the general state of the art which is not considered to be of particular relevance	“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
“E” earlier application or patent but published on or after the international filing date	“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
“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)	“&” document member of the same patent family
“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	

Date of the actual completion of the international search 16 April 2018	Date of mailing of the international search report 28 April 2018
Name and mailing address of the ISA State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No. (86-10) 62019451	Authorized officer LI, Puxin Telephone No. (86-10) 53961653

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ETSI. Next Generation Protocols (NGP); Scenario Definitions. ETSI GS NGP 001 V1. 2.1, 31 May 2017 (31.05.2017), entire document	1-26

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 106954257 A	14 July 2017	WO 2017118220 A1	13 July 2017
CN 106970640 A	21 July 2017	None	