

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2017/083389

## A. CLASSIFICATION OF SUBJECT MATTER

H04L 12/58 (2006.01) 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; H04B; H04W; H04Q

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: 终端, 设备, 发送, 查询, 请求, 车辆, 身份, 标识, 车牌, 位置, 寻找, 导航, 路径, 推送, 显示, vehicle, position, information, push+, line, mobile, terminal, car, location, licence, number, path, route, map, park, seek, search, monitor, cellphone

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 104980344 A (SUZHOU AOTAITE TECHNOLOGY SERVICE CO., LTD.), 14 October 2015 (14.10.2015), description, paragraphs [0031]-[0102], figures 1-3, and claims 1-10	1-10
X	CN 106157675 A (WU, Keyi), 23 November 2016 (23.11.2016), description, paragraphs [0026]-[0049], figures 1-3, and claims 1-9	1-10
X	CN 105513404 A (CARELAND TECHNOLOGY (SHENZHEN) CO., LTD.), 20 April 2016 (20.04.2016), description, paragraphs [0051]-[0099], figures 1-4, and claims 1-9	1-10
X	CN 104427467 A (BYD COMPANY LIMITED), 18 March 2015 (18.03.2015), description, paragraphs [0025]-[0081], figures 1-11, and claims 1-19	1-10
X	CN 103617745 A (SICHUAN CHANGHONG ELECTRIC CO., LTD.), 05 March 2014 (05.03.2014), description, paragraphs [0025]-[0043], and claims 1-8	1-10
X	CN 104464353 A (SHENZHEN KEMANDA INTELLIGENT MANAGEMENT SCIENCE AND TECHNOLOGY CO., LTD.), 25 March 2015 (25.03.2015), description, paragraphs [0042]-[0084], figures 1-4, and claims 1-10	1-10
X	CN 103730023 A (HANGZHOU DIANZI UNIVERSITY), 16 April 2014 (16.04.2014), description, paragraphs [0027]-[0047], figures 1-3, and claims 1-6	1-10

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&amp;” document member of the same patent family</p>
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Date of the actual completion of the international search 10 January 2018	Date of mailing of the international search report 26 January 2018
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<p>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</p>	<p>Authorized officer WANG, Chengmiao Telephone No. (86-10) 010-62413573</p>
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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.
X	CN 103680191 A (SHANGHAI CHINA MINE ELECTRIC TECHNOLOGY CO., LTD.), 26 March 2014 (26.03.2014), description, paragraphs [0025]-[0080], figure 1, and claims 1-10	1-10

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 104980344 A	14 October 2015	None	
CN 106157675 A	23 November 2016	None	
CN 105513404 A	20 April 2016	None	
CN 104427467 A	18 March 2015	None	
CN 103617745 A	05 March 2014	None	
CN 104464353 A	25 March 2015	None	
CN 103730023 A	16 April 2014	None	
CN 103680191 A	26 March 2014	None	