

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 206150558W00	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2018/122125	International filing date (<i>day/month/year</i>) 19 December 2018	(Earliest) Priority Date (<i>day/month/year</i>) 28 November 2018
Applicant BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 5

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

System and method for determining traffic information of a region. The method comprises: determining a first region and a second region (510); obtaining a set of links associated with the first region and the second region (520); obtaining a plurality of driving routes of a plurality of vehicles in the first region and the second region in a predetermined time period (530); selecting one or more driving routes that traverse a first boundary of the first region and a second boundary of the second region based on the set of links associated with the first region and the second region (540); determining traffic information of the first region based on information related to the selected one or more driving routes (550).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/122125

A. CLASSIFICATION OF SUBJECT MATTER		
G08G 1/01(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)		
G08G1/-		
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)		
CNKI;CNPAT;WPI;EPODOC: DIDI, traffic, flow+, area?, region?, link?, outflow+, inflow+, control+, congest+, vehicle, route?, boundar+, travers+, count?, enter+, leav+, ratio, speed, velocity, guid+, condition, status		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEN, Song. "Research on traffic demand control using the two-fluid theory for the sensitive areas of urban networks" <i>Chinese Master's Theses Full-text Database Engineering Science and Technology II</i> , No. 10, 15 October 2011 (2011-10-15), ISSN: 1674-0246, pages 13-14, 18-19, 27-30, 32, 47-49	1-4,7-13,16-19
A	CN 101894477 A (UNIV. SUZHOU) 24 November 2010 (2010-11-24) the whole document	1-19
A	CN 106960582 A (UNIV. ZHEJIANG) 18 July 2017 (2017-07-18) the whole document	1-19
A	CN 102881173 A (QINGDAO HISENSE TRANS. TECH. CO.) 16 January 2013 (2013-01-16) the whole document	1-19
A	JP 2016133876 A (SUMITOMO ELECTRIC SYSTEM SOLUTIONS CO., LTD.) 25 July 2016 (2016-07-25) the whole document	1-19
<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
31 July 2019		29 August 2019
Name and mailing address of the ISA/CN		Authorized officer
National Intellectual Property Administration, PRC 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China		HAO,Feifei
Facsimile No. (86-10)62019451		Telephone No. 86-(10)-53962456

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2018/122125

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	101894477	A	24 November 2010	CN	101894477	B	18 July 2012
CN	106960582	A	18 July 2017	CN	106960582	B	07 May 2019
CN	102881173	A	16 January 2013	CN	102881173	B	21 January 2015
JP	2016133876	A	25 July 2016	None			