

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 84735552PCT01	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2016/064707	International filing date (<i>day/month/year</i>) 24 June 2016 (24-06-2016)	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant HUAWEI TECHNOLOGIES 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 43.6*bis*(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. 4
 - 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

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2016/064707

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04N19/119 H04N19/147 H04N19/176 H04N19/513 H04N19/91
ADD.
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)
H04N
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)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2 597 874 A1 (NTT DOCOMO INC [JP]) 29 May 2013 (2013-05-29)	1-4,6,7, 9-12,15, 16
Y	the whole document	5,8,13, 14
Y	----- WO 2013/067939 A1 (LI YINGJIN [CN]) 16 May 2013 (2013-05-16) page 5, line 22 - line 30	8,13
Y	----- US 2007/065025 A1 (PANICONI MARCO [US] ET AL) 22 March 2007 (2007-03-22) paragraph [0043] figure 8	5,14
A	----- WO 2008/016605 A2 (THOMSON LICENSING [FR]; DIVORRA ESCODA OSCAR [US]; YIN PENG [US]) 7 February 2008 (2008-02-07) the whole document -----	1-16

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

- "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

16 September 2016

Date of mailing of the international search report

30/09/2016

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/064707

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2597874	A1	29-05-2013	
		AU 2011280629 A1	21-02-2013
		BR 112013001351 A2	17-05-2016
		CA 2805735 A1	26-01-2012
		CA 2903530 A1	26-01-2012
		CN 103004206 A	27-03-2013
		CN 105120278 A	02-12-2015
		CN 105120279 A	02-12-2015
		CN 105120280 A	02-12-2015
		CN 105847837 A	10-08-2016
		CN 105898326 A	24-08-2016
		CN 105898327 A	24-08-2016
		EP 2597874 A1	29-05-2013
		EP 3070945 A1	21-09-2016
		JP 5661114 B2	28-01-2015
		JP 5712330 B2	07-05-2015
		JP 5951063 B2	13-07-2016
		JP 2015065690 A	09-04-2015
		JP 2015130692 A	16-07-2015
		JP 2016165135 A	08-09-2016
		KR 20130041146 A	24-04-2013
		KR 20160030322 A	16-03-2016
		RU 2013107368 A	20-10-2014
		SG 187094 A1	28-03-2013
		TW 201215161 A	01-04-2012
		TW 201507445 A	16-02-2015
		US 2013136184 A1	30-05-2013
		US 2016021389 A1	21-01-2016
		WO 2012011432 A1	26-01-2012

WO 2013067939	A1	16-05-2013	
		CN 103096071 A	08-05-2013
		EP 2752005 A1	09-07-2014
		JP 5837992 B2	24-12-2015
		JP 2014534759 A	18-12-2014
		JP 2016015788 A	28-01-2016
		KR 20130050407 A	16-05-2013
		KR 20140057667 A	13-05-2014
		KR 20140062705 A	26-05-2014
		KR 20140076584 A	20-06-2014
		TW 201320767 A	16-05-2013
		US 2014269909 A1	18-09-2014
		US 2016173873 A1	16-06-2016
		US 2016173877 A1	16-06-2016
		US 2016173878 A1	16-06-2016
		US 2016249051 A1	25-08-2016
		WO 2013067939 A1	16-05-2013

US 2007065025	A1	22-03-2007	
		CN 101283364 A	08-10-2008
		EP 1946244 A2	23-07-2008
		JP 5312942 B2	09-10-2013
		JP 2009509417 A	05-03-2009
		KR 20080063770 A	07-07-2008
		US 2007065025 A1	22-03-2007
		WO 2007035538 A2	29-03-2007

WO 2008016605	A2	07-02-2008	
		BR PI0714859 A2	21-05-2013
		BR PI0715507 A2	18-06-2013
		CN 101502119 A	05-08-2009
		CN 101502120 A	05-08-2009

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/064707

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		EP 2047687 A2	15-04-2009
		EP 2050279 A2	22-04-2009
		JP 2009545919 A	24-12-2009
		JP 2009545920 A	24-12-2009
		JP 2014060763 A	03-04-2014
		JP 2014060764 A	03-04-2014
		JP 2015144487 A	06-08-2015
		KR 20090046814 A	11-05-2009
		KR 20090046815 A	11-05-2009
		US 2009196342 A1	06-08-2009
		US 2012177106 A1	12-07-2012
		WO 2008016605 A2	07-02-2008
		WO 2008016609 A2	07-02-2008
