

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 003599-1659-WO1	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2017/051209	International filing date ( <i>day/month/year</i> ) 12 September 2017 (12-09-2017)	(Earliest) Priority Date ( <i>day/month/year</i> )
Applicant  ROVI GUIDES, INC		

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. 1  
 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/US2017/051209

A. CLASSIFICATION OF SUBJECT MATTER  
 INV. H04N21/485 H04N21/439 H04N21/81 H04N21/84 H04N21/845  
 H04N21/45 H04N21/4545  
 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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2014/240595 A1 (DINUNZIO JAMES [US]) 28 August 2014 (2014-08-28) abstract paragraph [0001] paragraph [0007] paragraph [0019] - paragraph [0020] paragraph [0023] paragraph [0033] - paragraph [0034] paragraph [0042] - paragraph [0044] paragraph [0073] - paragraph [0081] paragraph [0084] figures 5,6,7 ----- -/--	1-51

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

<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 <b>24 November 2017</b>	Date of mailing of the international search report <b>04/12/2017</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  <b>Fantini, Federico</b>
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2017/051209

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2016/364397 A1 (LINDNER MARK AARON [US] ET AL) 15 December 2016 (2016-12-15) abstract paragraph [0006] - paragraph [0007] paragraph [0026] paragraph [0028] - paragraph [0029] paragraph [0042] paragraph [0061] paragraph [0076] - paragraph [0077] paragraph [0084] - paragraph [0087] paragraph [0117] - paragraph [0120] -----	1-51
A	US 2017/188106 A1 (HARB REDA [US]) 29 June 2017 (2017-06-29) abstract paragraph [0011] - paragraph [0013] paragraph [0044] paragraph [0091] paragraph [0112] - paragraph [0113] paragraph [0126] - paragraph [0130] figures 6,10,11 -----	1-51
A	US 2015/277850 A1 (WHEATLEY DAVID JOHN [US]) 1 October 2015 (2015-10-01) paragraph [0006] paragraph [0021] paragraph [0033] paragraph [0042] paragraph [0044] - paragraph [0045] paragraph [0093] - paragraph [0102] figure 7 -----	1-51
A	US 2010/322592 A1 (CASAGRANDE STEVEN MICHAEL [US]) 23 December 2010 (2010-12-23) abstract paragraph [0018] - paragraph [0021] paragraph [0024] paragraph [0031] paragraph [0063] - paragraph [0064] paragraph [0068] paragraph [0102] - paragraph [0105] figure 15 -----	1-51
A	WO 2011/087460 A1 (AGENCY SCIENCE TECH & RES [SG]; ZHU YONGWEI [SG]; RAHARDJA SUSANTO [SG]) 21 July 2011 (2011-07-21) abstract paragraph [0003] paragraph [0005] paragraph [0025] - paragraph [0026] paragraph [0028] paragraph [0035] - paragraph [0037] paragraph [0045] paragraph [0051] - paragraph [0053] -----	1-51

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2017/051209
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Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
US 2014240595	A1	28-08-2014	NONE	
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US 2016364397	A1	15-12-2016	US 2016364397 A1	15-12-2016
			WO 2016200530 A1	15-12-2016
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US 2015277850	A1	01-10-2015	GB 2526660 A	02-12-2015
			GB 2535903 A	31-08-2016
			US 2015277850 A1	01-10-2015
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US 2010322592	A1	23-12-2010	CA 2765143 A1	23-12-2010
			EP 2443825 A1	25-04-2012
			US 2010322592 A1	23-12-2010
			WO 2010148096 A1	23-12-2010
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WO 2011087460	A1	21-07-2011	NONE	
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