

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/072277

A. CLASSIFICATION OF SUBJECT MATTER*G01C 21/32*(2006.01)i; *G01C 21/36*(2006.01)i; *G06T 17/05*(2011.01)i; *G05D 1/02*(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)

G01C; G06T; G01D; G05D

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 2017254651 A1 (RESENDE PAULO [FR]) 07 September 2017 (2017-09-07) figures 1, 3, 6 paragraphs [0010], [0014], [0051], [0052], [0075], [0080], [0081] claim 10	1-8
X	US 9612123 B1 (LEVINSON JESSE SOL [US] ET AL) 04 April 2017 (2017-04-04) figures 3A, 4, 5 column 12, lines 5-67 column 14, lines 35-61 figures 23, 24 column 27, line 22 - column 28, line 14 figure 38 column 44, line 64 - column 45, line 19 claim 1	1-8

 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

20 November 2018

Date of mailing of the international search report

26 November 2018

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	2017254651	A1	07 September 2017	CN	107003671	A	01 August 2017
				EP	3195077	A1	26 July 2017
				FR	3025898	A1	18 March 2016
				JP	2017538915	A	28 December 2017
				US	2017254651	A1	07 September 2017
				WO	2016042106	A1	24 March 2016
US	9612123	B1	04 April 2017	US	9612123	B1	04 April 2017
				US	9630619	B1	25 April 2017
				US	2017248963	A1	31 August 2017
				WO	2017079219	A1	11 May 2017
				WO	2017079460	A2	11 May 2017