

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 16473006	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2017/071473	International filing date ( <i>day/month/year</i> ) 25 August 2017 (25-08-2017)	(Earliest) Priority Date ( <i>day/month/year</i> ) 26 August 2016 (26-08-2016)
Applicant  CPD 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. 3  
 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/EP2017/071473

A. CLASSIFICATION OF SUBJECT MATTER  
INV. H02J7/00 G07G5/00 G06Q20/20 G06Q30/04  
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)  
H02J G07G G06Q

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 9 092 766 B1 (BEDIER OSAMA [US] ET AL) 28 July 2015 (2015-07-28) column 1, line 14 - column 30, line 34; figures 1-21	1-13
A	----- US 2005/039453 A1 (SILVERBROOK KIA [AU]) 24 February 2005 (2005-02-24) paragraph [0464] - paragraph [0467]	1-13
A	----- US 2004/255141 A1 (HODDER LEONARD B [CA] ET AL) 16 December 2004 (2004-12-16) paragraph [0012] - paragraph [0049]; figures 1-2	1-13
A	----- US 2003/054703 A1 (FISCHER DANIEL M [CA] ET AL) 20 March 2003 (2003-03-20) paragraph [0018] - paragraph [0046]; figures 1-5	1-13
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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

15 November 2017

Date of mailing of the international search report

23/11/2017

Name and mailing address of the ISA/

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Authorized officer

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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2017/071473

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 2016/218539 A1 (HERRMANN JOHN E [US] ET AL) 28 July 2016 (2016-07-28) paragraph [0002] - paragraph [0023]; figures 1, 2 -----	1-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/071473

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 9092766	B1	28-07-2015	CN 107004146 A	01-08-2017
			US 9092766 B1	28-07-2015
			US 2016117659 A1	28-04-2016
			US 2016117662 A1	28-04-2016
			US 2016364705 A1	15-12-2016
			US 2017039550 A1	09-02-2017
			US 2017308882 A1	26-10-2017
			WO 2016069703 A1	06-05-2016
-----				
US 2005039453	A1	24-02-2005	US 2005039453 A1	24-02-2005
			US 2005279090 A1	22-12-2005
			US 2009244194 A1	01-10-2009
-----				
US 2004255141	A1	16-12-2004	AR 043380 A1	27-07-2005
			BR PI0401586 A	18-01-2005
			CN 1540595 A	27-10-2004
			US 2004255141 A1	16-12-2004
			US 2009182640 A1	16-07-2009
-----				
US 2003054703	A1	20-03-2003	CA 2374342 A1	01-09-2002
			CA 2517333 A1	01-09-2002
			US 2003054703 A1	20-03-2003
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US 2016218539	A1	28-07-2016	NONE	
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