

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PA-600-0454.WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2019/083580	International filing date (<i>day/month/year</i>) 4 December 2019 (04-12-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 6 December 2018 (06-12-2018)
Applicant ASSA ABLOY ENTRANCE SYSTEMS AB		

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. 12
 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/EP2019/083580

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06Q10/08 G06Q10/06
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)
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 2005/102041 A1 (DUVERNELL KIM [US] ET AL) 12 May 2005 (2005-05-12) paragraphs [0089], [0102] - [0110], [0121] - [0136]; figures 1,7,11 -----	1-22
X	WO 2015/084167 A1 (STERTIL BV [NL]) 11 June 2015 (2015-06-11) page 1, paragraph 13 - page 4, paragraph 17 page 5, line 7 - line 33 page 9, line 7 - line 30 figure 1 -----	1-22
X	US 2016/075526 A1 (AVALOS ROBERT PAUL [US]) 17 March 2016 (2016-03-17) paragraphs [0005], [0008], [0032] - [0042]; figures 1,4 ----- -/--	1-22

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	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 17 February 2020	Date of mailing of the international search report 26/02/2020
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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 Stratford, Colin
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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2019/083580

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2017/043967 A1 (WALFORD BRETT A [US] ET AL) 16 February 2017 (2017-02-16) paragraphs [0018] - [0022], [0065] - [0066]; figures 1a,4 -----	1-22
X,P	US 10 494 205 B1 (HOOFARD RICHARD K [US] ET AL) 3 December 2019 (2019-12-03) the whole document -----	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2019/083580

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005102041	A1	12-05-2005	NONE

WO 2015084167	A1	11-06-2015	EP 3077965 A1 12-10-2016
			NL 2011884 C2 04-06-2015
			WO 2015084167 A1 11-06-2015

US 2016075526	A1	17-03-2016	US 2016075526 A1 17-03-2016
			US 2019031455 A1 31-01-2019
			WO 2016044327 A1 24-03-2016

US 2017043967	A1	16-02-2017	AU 2015254988 A1 20-10-2016
			CN 106458480 A 22-02-2017
			EP 3137401 A1 08-03-2017
			US 2017043967 A1 16-02-2017
			US 2019002216 A1 03-01-2019
			WO 2015166339 A1 05-11-2015

US 10494205	B1	03-12-2019	NONE
