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- **Bovin, Perla**
644 33 Torshälla (SE)
- **Sevallius, Patrik**
136 73 Vendelsö (SE)
- **Blomqvist, Fredrik**
162 65 Vällingby (SE)
- **Johansson Kjerstad, Ove**
196 34 Kungsängen (SE)

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(71) Applicant: **ASSA AB**
631 05 Eskilstuna (SE)

(74) Representative: **Kransell & Wennborg KB**
P.O. Box 27834
115 93 Stockholm (SE)

(72) Inventors:
• **Berglund, Jens**
635 20 Eskilstuna (SE)

(54) **Reader device and associated method**

(57) It is presented a reader device arranged to determine access rights of an electronic access key for gaining access to open an electronically controlled physical lock. The reader device supports a plurality of electronic access key protocols and the reader device comprises: a near field radio frequency communication device arranged to read access data from an electronic access key; a controller arranged to determine, based on the access data read from the electronic access key, whether

the electronic access key is eligible to open the electronically controlled physical lock; wherein the near field radio frequency communication device is further arranged to read configuration data from an electronic configuration key; and the controller is arranged to inactivate at least one electronic access key protocol in the reader device based on the configuration data. A corresponding method is also presented.

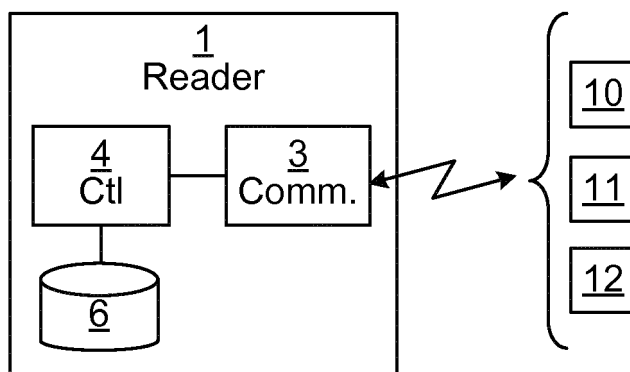


Fig. 2



EUROPEAN SEARCH REPORT

 Application Number
 EP 14 16 4004

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2003/028814 A1 (CUBIC CORP [US]) 6 February 2003 (2003-02-06) * abstract; figures 2,5,6,9 * * paragraph [0037] * * paragraphs [0030] - [0049] * -----	1-14	INV. G07C9/00
X	US 2006/224901 A1 (LOWE PETER R [US]) 5 October 2006 (2006-10-05) * abstract * * paragraphs [0025] - [0049] * -----	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			G07C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 November 2017	Examiner Pfyffer, Gregor
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 16 4004

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003028814 A1	06-02-2003	AU 2002257249 B2	31-08-2006
		CA 2446295 A1	14-11-2002
		CN 1524250 A	25-08-2004
		EP 1384207 A1	28-01-2004
		JP 2004528655 A	16-09-2004
		MX PA03010049 A	06-12-2004
		US 2003028814 A1	06-02-2003
		WO 02091311 A1	14-11-2002

US 2006224901 A1	05-10-2006	AU 2006343377 A1	15-11-2007
		CA 2647713 A1	15-11-2007
		EP 2005635 A2	24-12-2008
		US 2006224901 A1	05-10-2006
		US 2010077466 A1	25-03-2010
		US 2012157058 A1	21-06-2012
		US 2015220711 A1	06-08-2015
		US 2015222613 A1	06-08-2015
		US 2015222622 A1	06-08-2015
		US 2015222623 A1	06-08-2015
		US 2015223066 A1	06-08-2015
		US 2015223067 A1	06-08-2015
		WO 2007130006 A2	15-11-2007
