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- (71) **Applicant:** ASSA ABLOY AB [SE/SE]; Klarabergs-
viadukten 90, SE-11163 Stockholm (SE).
- (72) **Inventors:** HOYER, Philip; 43 Manor Road, Richmond
TW9 1YA (GB). LOVELOCK, Julian, Eric; 3705 Small-
wood Court, Pleasanton, CA 94566 (US). ROBINTON,
Mark; 14818 Blakeney Road, Eden Prairie, MN 55344
(US).
- (74) **Agent:** ELLSWORTH, Matthew, R.; Sheridan Ross
P.C., 1560 Broadway, Suite 1200, Denver, Colorado
80202 (US).

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(54) **Title:** METHOD, SYSTEM, AND DEVICE FOR GENERATING, STORING, USING, AND VALIDATING NFC TAGS AND DATA

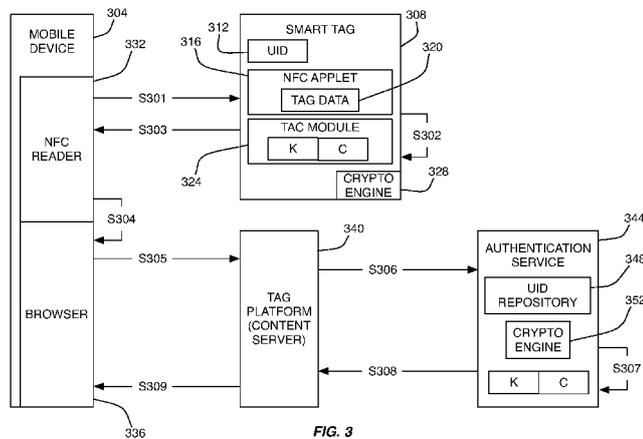


FIG. 3

(57) **Abstract:** A smart tag and methods of interacting with and authenticating interactions with the same are provided. The smart tag (308) is enabled to generate a Tag Authentication Cryptogram (TAC) and include the TAC in response (S303) to a read request (S301). Accordingly, each response generated by the smart tag (308) will include a different TAC. It follows that interactions between the smart tag (308) and a reading device (304) can be authenticated as unique interactions if the TAC is validated as a unique and correct TAC.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/06 H04L9/32 H04W12/10
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)
H04L H04W G06K 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, COMPENDEX, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2 487 629 A1 (NXP BV [NL]) 15 August 2012 (2012-08-15) abstract; figures 1, 2 paragraphs [0005], [0006], [0010] paragraphs [0026] - [0028] -----	1-28
X	NFC FORUM: "NFC Signature Record Type Definition (RTD) Technical Specification", INTERNET CITATION, 18 November 2010 (2010-11-18), page 18pp, XP009175987, Retrieved from the Internet: URL:http://members.nfc-forum.org/specs/spec_license [retrieved on 2014-02-05] section 2, 3 figures 1-3; tables 1-8 Annex A -----	1-28
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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>"&" document member of the same patent family</p>
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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 Schossmair, Klaus
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INTERNATIONAL SEARCH REPORT

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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 2010/079237 A1 (FALK RAINER [DE] ET AL) 1 April 2010 (2010-04-01) abstract; figures 2, 5, 6 paragraphs [0046], [0052], [0052] paragraphs [0065] - [0070] -----	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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			WO 2008101634 A2
