

Title (en)
DOCUMENT HAVING A SECURITY ELEMENT AND RELATED METHOD

Title (de)
DOKUMENT MIT EINEM SICHERHEITSELEMENT UND ZUGEHÖRIGES VERFAHREN

Title (fr)
DOCUMENT DOTÉ D'UN ÉLÉMENT DE SÉCURITÉ ET PROCÉDÉ ASSOCIÉ

Publication
EP 3528216 A1 20190821 (EN)

Application
EP 19157723 A 20190218

Priority
IT 201800002811 A 20180219

Abstract (en)
Identification document (1) provided with a security element (101), the latter comprising an authentication data (OK) decomposed into two or more components (O, K) applied on two or more respective layers (10, 20) superimposed in a position of mutual register. Such layers comprise at least one interfering layer (11, 41, 42) to an electromagnetic wave (R) which incises on the security element (101), said interfering layer being configured in such a way that the authentication data (OK) is detectable as format by all its components exclusively from an only observation direction relating to one of the two opposite faces (A, B) of the security element (101).

IPC 8 full level
G07D 7/00 (2016.01); **B42D 25/00** (2014.01); **B42D 25/29** (2014.01); **B42D 25/30** (2014.01); **B42D 25/328** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP)
B42D 25/00 (2014.10); **B42D 25/29** (2014.10); **B42D 25/30** (2014.10); **B42D 25/328** (2014.10); **B42D 25/45** (2014.10); **G07D 7/12** (2013.01); **G07D 7/207** (2017.04); **G09F 2003/0276** (2013.01)

Citation (applicant)
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• WO 2017092865 A1 20170608 - GIESECKE & DEVRIENT GMBH [DE]
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• WO 2011020537 A1 20110224 - MUEHLBAUER AG [DE], et al
• EP 2559563 A1 20130220 - POLSKA WYTWORKNIA PAPIEROW WARTOSCIOWYCH S A [PL]
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• [A] EP 2559563 A1 20130220 - POLSKA WYTWORKNIA PAPIEROW WARTOSCIOWYCH S A [PL]
• [A] WO 9747478 A1 19971218 - THOMAS DE LA RUE INTERNATIONAL [GB], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3528216 A1 20190821; **EP 3528216 B1 20200805**; ES 2832074 T3 20210609; IT 201800002811 A1 20190819

DOCDB simple family (application)
EP 19157723 A 20190218; ES 19157723 T 20190218; IT 201800002811 A 20180219