

Title (en)  
SECURING OF DOCUMENTS BY MEANS OF DIGITAL WATERMARK INFORMATION

Title (de)  
SICHERUNG VON DOKUMENTEN MITTELS DIGITALER WASSERZEICHENINFORMATION

Title (fr)  
PROTECTION DE DOCUMENTS AU MOYEN D'INFORMATIONS NUMÉRIQUES EN FILIGRANE

Publication  
**EP 2212122 A1 20100804 (DE)**

Application  
**EP 08843738 A 20081031**

Priority

- EP 2008009337 W 20081031
- DE 102007052947 A 20071031
- DE 102007059747 A 20071207
- DE 102007059746 A 20071207
- DE 102008012426 A 20080229

Abstract (en)  
[origin: WO2009056353A1] The invention relates to the production of a document (1), wherein image information is incorporated into a plurality of layers (15, 17, 19) of the document (1) such that the pieces of image information are combined into a total image. The image information in at least two of the layers (15, 17, 19) comprises digital watermark information (25, 27, 29), wherein the entirety of the digital watermark information (25, 27, 29) in the at least two layers (15, 17, 19) forms a security feature for an authentication of the document (1). The invention further relates to a respective document (1), a method for authentication (37), and a device for authentication.

IPC 8 full level  
**B42D 25/333** (2014.01); **B41M 3/10** (2006.01); **B41M 3/14** (2006.01); **B42D 25/36** (2014.01); **B42D 25/378** (2014.01); **B42D 25/45** (2014.01); **G07D 7/00** (2016.01)

CPC (source: BR EP KR US)  
**B41M 3/10** (2013.01 - BR EP KR US); **B41M 3/14** (2013.01 - EP KR US); **B42D 25/333** (2014.10 - EP KR US); **B42D 25/36** (2014.10 - EP KR US); **B42D 25/378** (2014.10 - EP KR US); **B42D 25/45** (2014.10 - EP KR US); **G07D 7/0034** (2017.04 - EP KR US); **B41M 3/14** (2013.01 - BR); **B42D 25/333** (2014.10 - BR); **B42D 25/36** (2014.10 - BR); **B42D 25/378** (2014.10 - BR); **B42D 25/45** (2014.10 - BR); **G07D 7/0034** (2017.04 - BR)

Citation (search report)  
See references of WO 2009056353A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009056353 A1 20090507**; BR PI0818479 A2 20170502; BR PI0818479 B1 20190416; CN 101918224 A 20101215; CN 101918224 B 20150603; DE 102008012426 A1 20090507; EP 2212122 A1 20100804; EP 2212122 B1 20180110; JP 2011500393 A 20110106; JP 5274568 B2 20130828; KR 101515666 B1 20150427; KR 20100106323 A 20101001; KR 20150008507 A 20150122; PL 2212122 T3 20180731; US 2011007934 A1 20110113; US 8478080 B2 20130702

DOCDB simple family (application)  
**EP 2008009337 W 20081031**; BR PI0818479 A 20081031; CN 200880123471 A 20081031; DE 102008012426 A 20080229; EP 08843738 A 20081031; JP 2010531467 A 20081031; KR 20107011899 A 20081031; KR 20147036934 A 20081031; PL 08843738 T 20081031; US 74073608 A 20081031