

Title (en)  
Security document and method for its production

Title (de)  
Sicherheitsdokument und Verfahren zu dessen Herstellung

Title (fr)  
Document de sécurité et son procédé de fabrication

Publication  
**EP 1997643 B1 20120201 (DE)**

Application  
**EP 08009688 A 20080528**

Priority  
DE 102007025860 A 20070601

Abstract (en)  
[origin: EP1997643A2] The document (1) has a carrier substrate (1a) with which a safety foil element (2) is connected. The foil element comprises two layers, where each layer has a safety identification e.g. half-tone image, which is formed by a group of micro-perforations (4) in the appropriate layer. The safety identification is visually detectable when viewing the document with transmitted light. Information or part of information is formed when viewing the safety identifications with transmitted light. The foil element is covered by an optional lamination with a transparent plastic foil. An independent claim is also included for a method for producing a security document.

IPC 8 full level  
**B42D 15/00** (2006.01)

CPC (source: EP US)  
**B42D 25/21** (2014.10 - US); **B42D 25/24** (2014.10 - US); **B42D 25/27** (2014.10 - US); **B42D 25/29** (2014.10 - EP US);  
**B42D 25/324** (2014.10 - EP); **B42D 25/328** (2014.10 - EP); **B42D 25/333** (2014.10 - EP US); **B42D 25/346** (2014.10 - EP US);  
**B42D 25/351** (2014.10 - EP); **B42D 25/36** (2014.10 - EP); **B42D 25/364** (2014.10 - EP); **B42D 25/41** (2014.10 - EP); **B42D 25/43** (2014.10 - EP);  
**B42D 25/435** (2014.10 - EP); **B42D 25/44** (2014.10 - EP); **B42D 25/445** (2014.10 - EP); **B42D 2033/22** (2022.01 - EP)

Citation (examination)  
JP 2006205674 A 20060810 - NAT PRINTING BUREAU

Cited by  
ES2534731A1; FR2965750A1; EP4242009A1; EP3623165A1; BE1027353B1; EP3552837A1; US2018290478A1; EP4147878A1;  
JP2015131465A; EP4029702A1; EP3828000A1; FR3103736A1; CN114728531A; CN111212742A; JP2020531309A; WO2012117056A3;  
WO2014081402A1; WO2012117087A1; WO2017218992A1; WO2019034398A1; US10792555B2; WO2012046212A1; WO2021007130A1;  
EP2127899A1; EP2119571A1; US2020009894A1; US10889139B2; CN112334320A; EP3817928A4; AU2019297514B2; US11904623B2;  
WO2021105582A1; WO2023041545A1; US10887097B1; US10917238B2; US10985917B2; US11128458B2; US11240021B2; US11799647B2;  
WO2020079018A1; EP3322595B2

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

DOCDB simple family (publication)  
**EP 1997643 A2 20081203; EP 1997643 A3 20090819; EP 1997643 B1 20120201; AT E543659 T1 20120215; DE 102007025860 A1 20081204**

DOCDB simple family (application)  
**EP 08009688 A 20080528; AT 08009688 T 20080528; DE 102007025860 A 20070601**