

Title (en)

Valuable or security document with a safety marker

Title (de)

Wert- oder Sicherheitsdokument mit einem Sicherheitsmerkmal

Title (fr)

Document de valeur ou de sécurité doté d'une caractéristique de sécurité

Publication

EP 2138322 A3 20110713 (DE)

Application

EP 09160380 A 20090515

Priority

DE 102008002583 A 20080623

Abstract (en)

[origin: EP2138322A2] The value or safety document has a structural element (102,104) for forming a meta-material. A conductor structure comprises a structural element, where the conductor structure is formed for a grid or a resonator. The structure elements are metallic and are complementary to each other. One layer has one structure element and another layer has another structure element. Independent claims are included for the following: (1) a document pile of documents with a meta-material; (2) a device for checking the number of stacked documents in a document pile; and (3) a method for checking a document pile.

IPC 8 full level

B42D 15/00 (2006.01); **B42D 15/10** (2006.01)

CPC (source: EP US)

B42D 25/00 (2014.10 - EP); **B42D 25/29** (2014.10 - EP US); **G07D 7/10** (2013.01 - EP US)

Citation (search report)

- [X] WO 2006027112 A1 20060316 - GIESECKE & DEVRIENT GMBH [DE], et al
- [X] WO 2004081545 A1 20040923 - UNIV GLASGOW [GB], et al
- [XP] WO 2008110775 A1 20080918 - SANDS HOWARD SIMON [GB], et al
- [A] WO 03054808 A2 20030703 - GIESECKE & DEVRIENT GMBH [DE], et al
- [A] WO 03054810 A2 20030703 - GIESECKE & DEVRIENT GMBH [DE], et al
- [X] US 2005276906 A1 20051215 - METZGER GARY [US]

Cited by

EP3028869A1; CN105431301A; WO2014206977A1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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