

Title (en)
SECURITY DOCUMENT WITH AN INTEGRATED TEXTILE

Title (de)
SICHERHEITSDOKUMENT MIT EINEM INTEGRIERTEN TEXTIL

Title (fr)
DOCUMENT DE SÉCURITÉ POURVU D'UN TEXTILE INTÉGRÉ

Publication
EP 2991836 B1 20170913 (DE)

Application
EP 14721338 A 20140430

Priority
• DE 102013207902 A 20130430
• DE 102014204657 A 20140313
• EP 2014058804 W 20140430

Abstract (en)
[origin: WO2014177606A1] The invention relates to a security document (1) comprising a two-dimensionally stretched composite body (3), which has an upper side (31) and an opposite lower side (33) and which is composed of at least two substrate layers (35, 37), and a textile (41), which is formed from threads (45) and of which at least one two-dimensional section (43) is arranged between the at least two substrate layers (35, 37), wherein at least one optically detectable representation (61) is located in the security document (1) and is or can be covered at least by a portion of the section (43) of the textile (41) that is arranged between the at least two substrate layers (35, 37), wherein the textile (41) and the at least one optically detectable representation (61) are designed such that an image (150) of the overlap of the at least one portion of the section (43) of the textile (41) over the at least one optically detectable representation (61), when optically detected through the upper side (31) of the composite body (3), is dependent on a detecting direction relative to the upper side (31) of the composite body (3). The textile (41) may be provided with a flap section in order to be integrated into a passport. The optically detectable representation may comprise a graphic pattern and the textile is designed such that the threads thereof are arranged in a textile pattern, wherein the textile pattern and the graphic pattern differ by a pattern spacing such that a moiré effect is achieved.

IPC 8 full level
B42D 15/00 (2006.01); **B42D 25/00** (2014.01)

CPC (source: EP)
B42D 25/00 (2014.10); **B42D 25/29** (2014.10); **B42D 25/342** (2014.10); **B42D 25/24** (2014.10); **B42D 25/328** (2014.10); **B42D 25/387** (2014.10); **B42D 25/455** (2014.10); **B42D 25/46** (2014.10); **B42D 2033/30** (2022.01); **B42D 2033/32** (2022.01)

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

DOCDB simple family (publication)
DE 102014204657 A1 20141030; **DE 102014204657 B4 20181213**; CN 104955657 A 20150930; CN 104955657 B 20180105; EP 2991836 A1 20160309; EP 2991836 B1 20170913; WO 2014177606 A1 20141106

DOCDB simple family (application)
DE 102014204657 A 20140313; CN 201480006694 A 20140430; EP 14721338 A 20140430; EP 2014058804 W 20140430