

Title (en)  
SECURITY PAPERS AND PROCESSES OF THEIR MANUFACTURING

Title (de)  
SICHERHEITSPAPIERE UND VERFAHREN ZU DEREN FERTIGUNG

Title (fr)  
PAPIERS DE SÉCURITÉ ET PROCÉDÉS DE FABRICATION

Publication  
**EP 3157756 B1 20181114 (FR)**

Application  
**EP 15730797 A 20150623**

Priority  
• FR 1455780 A 20140623  
• EP 2015064114 W 20150623

Abstract (en)  
[origin: WO2015197617A1] Security paper comprising a fibre substrate and at least one security thread (7) incorporated into windows in this fibre substrate, the fibre substrate having at least one region (16) of variable opacity extending at least partially across a bridge (13) of the fibre substrate that is situated between two, preferably successive, windows (10), along the security thread.

IPC 8 full level  
**B42D 25/425** (2014.01); **B42D 25/00** (2014.01); **B42D 25/29** (2014.01); **B42D 25/333** (2014.01); **B42D 25/351** (2014.01); **B42D 25/355** (2014.01); **B42D 25/43** (2014.01); **B42D 25/435** (2014.01); **D21F 1/44** (2006.01); **D21F 9/04** (2006.01); **D21F 11/00** (2006.01); **D21F 11/06** (2006.01); **D21H 21/42** (2006.01)

CPC (source: CN EP KR RU)  
**B42D 25/29** (2014.10 - CN EP KR); **B42D 25/333** (2014.10 - CN EP KR); **B42D 25/351** (2014.10 - CN EP KR); **B42D 25/355** (2014.10 - CN EP KR); **B42D 25/425** (2014.10 - CN EP KR RU); **B42D 25/435** (2014.10 - CN EP KR); **D21F 1/44** (2013.01 - CN EP KR); **D21F 11/008** (2013.01 - CN EP KR); **D21H 21/42** (2013.01 - EP KR); **B42D 2033/28** (2022.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**FR 3022489 A1 20151225; FR 3022489 B1 20211029**; BR 112016030391 A8 20200407; BR 112016030391 B1 20220215; CN 106605022 A 20170426; CN 106605022 B 20191112; EP 3157756 A1 20170426; EP 3157756 B1 20181114; ES 2708980 T3 20190412; HU E043052 T2 20190729; KR 102396068 B1 20220509; KR 20170023064 A 20170302; PL 3157756 T3 20190329; RU 2016150895 A 20180727; RU 2016150895 A3 20190207; RU 2683653 C2 20190401; WO 2015197617 A1 20151230

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