

Title (en)
SECURITY AND/OR VALUABLE DOCUMENT

Title (de)
SICHERHEITS- UND/ODER WERTDOKUMENT

Title (fr)
DOCUMENT DE SECURITE ET/OU DE VALEUR

Publication
EP 1727684 B2 20150930 (DE)

Application
EP 05740715 A 20050321

Priority
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Abstract (en)
[origin: US2008036197A1] The invention concerns a security and/or value document, in particular a banknote. The security and/or value document has a support (1) of a paper material and an in particular strip-form or thread-form film element (2) which contains one or more optical security features. The support (1) has one or more window-shaped openings (35) which are closed by means of the film element (2) which projects beyond the openings on all sides. Applied to the side of the support (1) of a paper material, which is in opposite relationship to the film element (2), is a sealing layer (4) which covers the surfaces of the film element (2) at least in the region of the openings.

IPC 8 full level
B42D 15/00 (2006.01); **D21H 21/42** (2006.01)

CPC (source: EP KR US)
B42D 15/00 (2013.01 - KR); **B42D 25/29** (2014.10 - EP KR US); **D21H 21/42** (2013.01 - EP US); **B42D 2035/36** (2022.01 - EP)

Citation (opposition)
Opponent :
• WO 03054297 A2 20030703 - GIESECKE & DEVRIENT GMBH [DE], et al
• EP 0070172 A1 19830119 - PORTALS LTD [GB]
• DE 4041025 A1 19920625 - GAO GES AUTOMATION ORG [DE]
• US 5104149 A 19920414 - HOPPE JOACHIM [DE]
• US 6428051 B1 20020806 - HERRMANN JUERGEN [DE], et al
• WO 0000697 A1 20000106 - GIESECKE & DEVRIENT GMBH [DE], et al
• WO 03097937 A2 20031127 - ARJO WIGGINS SECURITY SAS [FR], et al
• EP 1386753 A1 20040204 - HUECK FOLIEN GMBH [AT]
• CA 2483467 A1 20031106 - GIESECKE & DEVRIENT GMBH [DE]
• WO 9628610 A1 19960919 - PORTALS LTD [GB], et al
• DE 19840733 A1 20000309 - PLUSPRINT DRUCKMEDIEN GMBH [DE]
• EP 0251253 A2 19880107 - FABBIANI BRUNO
• WO 0039391 A1 20000706 - RUE DE INT LTD [GB], et al
• DE 4334848 C1 19950105 - KURZ LEONHARD FA [DE], et al
• DE 4404128 A1 19940825 - GAO GES AUTOMATION ORG [DE]
• EP 1338430 A1 20030827 - RUE DE INT LTD [GB]
• GB 2385298 A 20030820 - RUE DE INT LTD [GB]
• US 4462866 A 19840731 - TOOTH ALAN J [GB], et al
• US 5346259 A 19940913 - MOCILNIKAR ANTON [US], et al

Cited by
DE102019006890A1; WO2021063542A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2008036197 A1 20080214; US 8132830 B2 20120313; AT E432830 T1 20090615; AU 2005229477 A1 20051013; AU 2005229477 B2 20091008; BR PI0509260 A 20070911; BR PI0509260 B1 20161122; CA 2560518 A1 20051013; CA 2560518 C 20120626; CN 100496995 C 20090610; CN 1938165 A 20070328; DE 102004014778 A1 20051013; DE 502005007407 D1 20090716; DK 1727684 T3 20091005; DK 1727684 T4 20160118; DK 2077190 T3 20120730; EP 1727684 A2 20061206; EP 1727684 B1 20090603; EP 1727684 B2 20150930; EP 2077190 A1 20090708; EP 2077190 B1 20120523; ES 2328263 T3 20091111; ES 2328263 T5 20160125; ES 2388657 T3 20121017; JP 2007530313 A 20071101; JP 4611377 B2 20110112; KR 100869206 B1 20081118; KR 20070007849 A 20070116; PL 1727684 T3 20091130; PL 1727684 T5 20160229; PL 2077190 T3 20121031; RU 2006137693 A 20080510; RU 2359837 C2 20090627; TW 200535739 A 20051101; TW I347271 B 20110821; WO 2005095118 A2 20051013; WO 2005095118 A3 20051215

DOCDB simple family (application)
US 59906605 A 20050321; AT 05740715 T 20050321; AU 2005229477 A 20050321; BR PI0509260 A 20050321; CA 2560518 A 20050321; CN 200580009821 A 20050321; DE 102004014778 A 20040326; DE 2005000528 W 20050321; DE 502005007407 T 20050321; DK 05740715 T 20050321; DK 09004025 T 20050321; EP 05740715 A 20050321; EP 09004025 A 20050321; ES 05740715 T 20050321; ES 09004025 T 20050321; JP 2007504249 A 20050321; KR 20067022338 A 20061026; PL 05740715 T 20050321; PL 09004025 T 20050321; RU 2006137693 A 20050321; TW 94108703 A 20050322