

Title (en)

VALUE DOCUMENT WITH A TRANSPARENT INK-ACCEPTING LAYER AND WITH AN OPAQUE INK-ACCEPTING LAYER

Title (de)

WERTDOKUMENT MIT EINER TRANSPARENTEN FARBANNAHMESCHICHT UND MIT EINER OPAKEN FARBANNAHMESCHICHT

Title (fr)

DOCUMENT DE VALEUR AVEC UNE COUCHE D'ABSORPTION TRANSPARENTE ET AVEC UNE COUCHE D'ABSORPTION OPAQUE

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Application

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Abstract (en)

[origin: WO2012003947A1] The invention relates to a security element (2) for the production of valuable documents, comprising at least one transparent ink-accepting layer (5), which is arranged above a first surface of a substrate (1) over the entire area or in at least one sub-region. An opaque ink-accepting layer (9) is applied to a sub-region.

IPC 8 full level

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Citation (opposition)

Opponent :

- WO 2008031170 A1 20080320 - SECURENCY PTY LTD [AU], et al
- WO 2010042999 A1 20100422 - SECURENCY INT PTY LTD [AU], et al
- US 2007241553 A1 20071018 - HEIM MANFRED [DE], et al
- US 5387013 A 19950207 - YAMAUCHI MINEO [JP], et al
- US 2003157356 A1 20030821 - TAMURA YOSHIHIKO [JP], et al
- US 2008036193 A1 20080214 - GOLLAIRE MONIQUE [BE], et al
- US 6686027 B1 20040203 - CAPORALETTI OMAR [CA], et al
- WO 9813211 A1 19980402 - AUSTRALIA RESERVE BANK [AU], et al
- US 2004053017 A1 20040318 - DAEMS EDDIE [BE], et al
- US 2003213550 A1 20031120 - DAEMS EDDIE [BE], et al
- US 2009246380 A1 20091001 - KAIMOTO HIDEKI [JP]
- US 2005208234 A1 20050922 - HUBERTUS VAN A [BE], et al
- RENESSE VAN R L: "Optical Document Security , Third edition", 2005, ARTECH HOUSE, BOSTON, MASS., pages: 89
- RUDOLF L. VAN RENESSE: "Optical Document Security, Third edition", 2005, ARTECH HOUSE, BOSTON, MASS. [U.A.], pages: 115 - 126

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