

Title (en)
Data carrier with tactile security feature

Title (de)
Datenträger mit taktilem Sicherheitsmerkmal

Title (fr)
Support de données avec caractéristique de sécurité tactile

Publication
EP 2599637 B2 20191106 (DE)

Application
EP 12007860 A 20121121

Priority
DE 102011119730 A 20111130

Abstract (en)
[origin: EP2599637A2] The carrier (1) has a substrate comprising a paper layer, where two sides of the substrate are completely covered by a polymeric coating layer. The substrate and the polymeric coating layer are congruently arranged with each other, and comprise tactilely detectable embossed structures (2-4). The embossed structures are produced by the action of an embossing tool on the polymeric coating layer and the substrate, where height of the embossed structures ranges preferably between 80 microns and 280 microns. An independent claim is also included for a method for manufacturing a data carrier for holding a value document such as bank note and badge.

IPC 8 full level
B42D 15/00 (2006.01); **B42D 25/00** (2014.01); **B42D 25/23** (2014.01); **B42D 25/29** (2014.01); **B42D 25/324** (2014.01); **B42D 25/328** (2014.01); **B42D 25/425** (2014.01); **G07D 7/00** (2016.01); **G07D 7/181** (2016.01); **G07D 7/182** (2016.01)

CPC (source: EP US)
B42D 25/00 (2014.10 - EP); **B42D 25/23** (2014.10 - US); **B42D 25/29** (2014.10 - EP US); **B42D 25/324** (2014.10 - EP US); **B42D 25/328** (2014.10 - US); **B42D 25/425** (2014.10 - US); **G07D 7/003** (2017.04 - EP); **G07D 7/181** (2017.04 - EP); **B42D 25/24** (2014.10 - EP); **B42D 2033/28** (2022.01 - EP); **B42D 2033/30** (2022.01 - EP)

Citation (opposition)

Opponent :

- WO 2008014952 A2 20080207 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 0220274 A1 20020314 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 0220279 A1 20020314 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 9002658 A1 19900322 - DE LA RUE CO PLC [GB]
- US 4033059 A 19770705 - HUTTON ROBERT GORDON, et al
- WO 9748555 A1 19971224 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 9717211 A1 19970515 - GIESECKE & DEVRIENT GMBH [DE], et al
- "Newsletter", CURRENCY NEWS, vol. 7, no. 5, 23 June 2009 (2009-06-23), pages 1 - 12, XP055366854, ISSN: 0895-9080, Retrieved from the Internet <URL:http://www.esta-cash.eu/cn>
- CASH AND ISSUE DEPARTMENT: "Billetteria newsletter", BANCO DE ESPAÑA, vol. 9, XP055366859, Retrieved from the Internet <URL:http://www.bde.es/f/webbde/Secciones/Publicaciones/InformesBoletinesRevistas/RevistaBilletteria/11/BILLETARIA 9 ABRIL 2011 ING.pdf> [retrieved on 201104]
- "Hybrid Secure and durable", pages 1 - 4, XP055366983, Retrieved from the Internet <URL:www.louisenthal.com> [retrieved on 2009]
- HELMUT KIPPHAN: "Handbook of Print Media", 2001, SPRINGER-VERLAG, ISBN: 3-540-67326-1, article "Technologies and Production Methods", pages: 423 - 429, XP003014979

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EP2857218A3; GB2576179A; US2018339541A1; US10675904B2; EP2857218A2; DE102013015860A1; EP2878455A1; DE102013019665A1

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DOCDB simple family (application)
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