

Title (en)

Security element with features which can be recognised under a specific viewing angle

Title (de)

Sicherheitsmerkmal mit unter einem bestimmten Betrachtungswinkel optisch erkennbaren Merkmalen

Title (fr)

Élément de sécurité avec des éléments optiques reconnaissables sous un angle d'observation particulier

Publication

**EP 1580025 B1 20151014 (DE)**

Application

**EP 05004983 A 20050308**

Priority

AT 5402004 A 20040326

Abstract (en)

[origin: EP1580025A2] The safety marker is optical invisible when viewed from a certain angle. The optical invisible markers are formed by two or more layers in the register. One or more of the layers in the register may be separated by spacing layers. The layers in the register may consist of an opaque ink or an opaque lacquer.

IPC 8 full level

**B42D 25/351** (2014.01); **B42D 15/00** (2006.01)

CPC (source: EP US)

**B42D 25/00** (2014.10 - EP); **B42D 25/29** (2014.10 - EP US); **B42D 25/328** (2014.10 - EP); **B42D 25/351** (2014.10 - EP US); **B42D 25/355** (2014.10 - EP); **G09F 3/0294** (2013.01 - EP); **B42D 25/324** (2014.10 - EP); **B42D 25/382** (2014.10 - EP); **B42D 25/387** (2014.10 - EP); **B42D 25/47** (2014.10 - EP); **B42D 2033/04** (2022.01 - EP); **B42D 2033/06** (2022.01 - EP); **B42D 2033/08** (2022.01 - EP); **B42D 2033/10** (2022.01 - EP); **B42D 2033/16** (2022.01 - EP); **B42D 2033/20** (2022.01 - EP); **B42D 2033/24** (2022.01 - EP); **B42D 2033/26** (2022.01 - EP); **B42D 2035/16** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP); **B42D 2035/36** (2022.01 - EP); **B65D 2203/12** (2013.01 - EP)

Citation (opposition)

Opponent : De La Rue International Limited

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- US 2004007625 A1 20040115 - KAPPE FRANK [DE], et al
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- US 6494491 B1 20021217 - ZEITER PATRIK [CH], et al

Opponent : Giesecke & Devrient GmbH

- WO 03095228 A1 20031120 - KURZ LEONHARD FA [DE], et al
- EP 1388808 A1 20040211 - OVD KINEGRAM AG [CH]
- EP 0628408 A1 19941214 - ANDRIC DRAGISA [YU], et al
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- DE 10260124 A1 20040701 - GIESECKE & DEVRIENT GMBH [DE]
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- DE 4226906 A1 19940217 - BASF MAGNETICS GMBH [DE]
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DOCDB simple family (application)

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