

Title (en)

Sheet materials with precise positioning of elements on the front and back side

Title (de)

Folienmaterialien mit präzisen passgenauen Elementen auf Vorder- und Rückseite

Title (fr)

Matériaux en feuilles avec positionner précis des éléments sur face d'avant et face d'arrière

Publication

EP 1712366 B1 20100519 (DE)

Application

EP 05008032 A 20050413

Priority

EP 05008032 A 20050413

Abstract (en)

[origin: EP1712366A1] The film material is fitted with security elements on both sides. with an accurate longitudinal and side register. The film is printed on both sides, in register, with a maximum tolerance of $\pm 100 \mu m$. The security elements have optical, electrically conductive and/or magnetic characteristics.

IPC 8 full level

B41M 3/14 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)

B41M 3/14 (2013.01 - EP US); **B42D 25/00** (2014.10 - EP US); **B42D 25/369** (2014.10 - US); **B42D 25/47** (2014.10 - US); **B42D 2035/02** (2022.01 - EP); **Y10T 428/24364** (2015.01 - EP US); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/2848** (2015.01 - EP US)

Cited by

EP2143549A1; EP4202889A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1712366 A1 20061018; **EP 1712366 B1 20100519**; AT E468230 T1 20100615; DE 502005009596 D1 20100701; ES 2346542 T3 20101018; US 2006251860 A1 20061109; US 2010154668 A1 20100624

DOCDB simple family (application)

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