

Title (en)

SAFETY ELEMENT HAVING AN OPTICALLY VARIABLE ELEMENT

Title (de)

SICHERHEITSELEMENT MIT EINEM OPTISCH VARIABLEN ELEMENT

Title (fr)

ÉLÉMENT DE SÉCURITÉ AVEC UN ÉLÉMENT OPTIQUEMENT VARIABLE

Publication

EP 2104618 B1 20131127 (DE)

Application

EP 07847008 A 20071206

Priority

- EP 2007010578 W 20071206
- DE 102006062281 A 20061222

Abstract (en)

[origin: DE102006062281A1] The substrate (1) has an optically variable color (3) with pigments (4). The individual pigments have an interference-capable, multi-layered configuration. The pigments of the optically variable color of the safety features are irreversibly changed in a partition (6) by an electromagnetic radiation (5). The interference effect is visually or automatically changed in the partition. The internal reflection layer consists of aluminum. One of the dielectric layers has silicon dioxide. The outer partially transmitting layers have chromium and/or nickel. An independent claim is also included for a method for producing a substrate with a safety feature.

IPC 8 full level

B42D 15/00 (2006.01); **B42D 15/10** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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CA 2671611 C 20150811; EP 2104618 A1 20090930; EP 2104618 B1 20131127; PL 2104618 T3 20140530; RU 2009127521 A 20110127;
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