

Title (en)
Structured colour-shift security element

Title (de)
Strukturiertes Colorshift-Sicherheitselement

Title (fr)
Élément de sécurité à couleur variable structuré

Publication
EP 2465703 A3 20130403 (DE)

Application
EP 11009882 A 20111215

Priority
DE 102010054854 A 20101217

Abstract (en)
[origin: EP2465703A2] The security element comprises a transparent or translucent substrate (4) that is provided with front and rear surfaces. An optically variable surface layer (5) is formed at the front surface, and an optically variable back layer (6) is formed at the rear surface. The front and back layers are overlapped at an overlapping region of the substrate. Recess structures are formed in the overlap region of optically variable front layer and/or optically variable back layer. Independent claims are included for the following: (1) data carrier; and (2) manufacturing method of security element.

IPC 8 full level
B44F 1/12 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)
B42D 25/29 (2014.10 - EP); **B42D 25/378** (2014.10 - US); **B42D 25/41** (2014.10 - EP US); **B42D 25/43** (2014.10 - EP US); **B42D 2035/24** (2022.01 - EP); **B42D 2035/30** (2022.01 - EP); **B42D 2035/36** (2022.01 - EP)

Citation (search report)

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- [AD] EP 0317514 A1 19890524 - LIPATEC ETS [LI]
- [AD] EP 1023499 A1 20000802 - GIESECKE & DEVRIENT GMBH [DE]
- [A] DE 102004022080 A1 20051124 - GIESECKE & DEVRIENT GMBH [DE]
- [A] EP 2174797 A1 20100414 - EUROPEAN CENTRAL BANK [DE]

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2465703 A2 20120620; **EP 2465703 A3 20130403**; **EP 2465703 B1 20160406**; DE 102010054854 A1 20120621; ES 2571352 T3 20160524; PL 2465703 T3 20160930

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EP 11009882 A 20111215; DE 102010054854 A 20101217; ES 11009882 T 20111215; PL 11009882 T 20111215