

Title (en)
Safety element with tilting effect

Title (de)
Sicherheitselement mit Kippeffekt

Title (fr)
Élément de sécurité avec effet de basculement

Publication
EP 2746059 A3 20171220 (DE)

Application
EP 13005877 A 20131217

Priority
DE 102012025089 A 20121220

Abstract (en)
[origin: EP2746059A2] The element (1) has a substrate including surface having an incident light to be reflected, and a coating partially covering the surface of the substrate. A surface of the coating hits the light to be partially reflected, and coating regions are provided with reduced layer thickness and/or recesses and viewer regions. Surrounding regions of the coating include the layer thickness without projections at different viewing angles for a distinct contrast part. The coating layer comprises a metallic or metallic reflecting surface and silver, golden or coppery color impression. An independent claim is also included for a method for manufacturing a security element for increasing falsification protection of security paper, value document, identity card or other products.

IPC 8 full level
B42D 25/373 (2014.01); **B41M 3/14** (2006.01); **B42D 25/346** (2014.01); **B42D 25/351** (2014.01); **B42D 25/435** (2014.01)

CPC (source: EP)
B42D 25/346 (2014.10); **B42D 25/351** (2014.10); **B42D 25/373** (2014.10); **B42D 25/435** (2014.10); **B42D 2033/24** (2022.01); **B42D 2035/20** (2022.01); **B42D 2035/30** (2022.01)

Citation (search report)

- [X] EP 0723246 A2 19960724 - GIESECKE & DEVRIENT GMBH [DE]
- [X] EP 2441593 A1 20120418 - HUECK FOLIEN GMBH [AT]
- [X] EP 1747099 A2 20070131 - RUE DE INT LTD [GB]

Cited by
EP3498488A1; DE102017011455A1

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 2746059 A2 20140625; EP 2746059 A3 20171220; EP 2746059 B1 20210519; DE 102012025089 A1 20140626; PL 2746059 T3 20211122

DOCDB simple family (application)
EP 13005877 A 20131217; DE 102012025089 A 20121220; PL 13005877 T 20131217