Title (en)
   Coded optically active security features

Title (de)
   Codierte optisch aktive Sicherheitselemente und Sicherheitsmerkmale

Title (fr)
   Éléments de sécurité codés optiquement actives

Publication
   EP 1798054 A2 20070620 (DE)

Application
   EP 06025187 A 20061206

Priority
   AT 19782005 A 20051213

Abstract (en)
   A security mark for a data carrier, identity document, securities documents, packaging etc. incorporates an active optical feature together with a full-area or partial reflector- or mirror-layer. The security mark further incorporates an optically active element in the register, or a colored or transparent metal link layer. The metal link layer is a partial layer. The security mark has two or more metal link layers of different thickness (100-1000 nm). The reflector- or mirror layers cover the area fully or in part and are oxides of Al, Cu, Fe, Ag, Au, Pt, Pd, Sn Cr Ni or Zn and are applied e.g. as a pattern, lines, motifs or guilloche. Further claimed is a foil material bearing a commensurate security mark, and the use of the security mark in security documents, data carriers, labels, packaging and similar.

Abstract (de)
   Sicherheitselement zur eindeutig zuordenbaren Kennzeichnung von Datenträgern, Wertdokumenten und/oder Verpackungen und dergleichen, dadurch gekennzeichnet, dass das Sicherheitselement gegebenenfalls ein optisch aktives Merkmal und wenigstens eine vollflächige oder partielle Reflektor- oder Spiegelschicht und mindestens im Register zum optisch aktiven Element oder zu einem anderen Sicherheitselement aufgebrachte farbige oder transparente Metallverbindungsschicht aufweist.

IPC 8 full level
   B42D 15/00 (2006.01)

CPC (source: EP US)
   B42D 25/29 (2014.10 - EP); **B42D 25/373** (2014.10 - US); B42D 25/328 (2014.10 - EP); B42D 2033/10 (2022.01 - EP); B42D 2033/18 (2022.01 - EP); B42D 2033/20 (2022.01 - EP); B42D 2035/24 (2022.01 - EP)

Cited by
   US8857856B2; WO2010102755A1

Designated contracting state (EPC)
   AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
   AL BA HR MK RS

DOCDB simple family (publication)
   EP 1798054 A2 20070620; **EP 1798054 A3 20110309**; AT 503712 A2 20071215

DOCDB simple family (application)
   EP 06025187 A 20061206; AT 19782005 A 20051213