

Title (en)
PERSONALIZABLE LUMINESCENT SECURITY ELEMENT

Title (de)
PERSONALISIERBARES LUMINESZIERENDES SICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ LUMINESCENTE PERSONNALISABLE

Publication
EP 3842254 A1 20210630 (EN)

Application
EP 19306768 A 20191224

Priority
EP 19306768 A 20191224

Abstract (en)
A data carrier (1) comprises at least one blocking element (2), at least one radiating element (3), at least one unblocking region (4) being provided in the blocking element (2), and at least one security element (7). At least one region (5) of the radiating element (3) is uncovered by the at least one unblocking region (4), whereby the at least one security element (7) is formed. The blocking element (2) is configured to block impinging electromagnetic radiation constituting a blocking element spectrum (RB). The radiating element (3) is configured to emit electromagnetic radiation constituting a radiating element emission spectrum (REM) upon irradiation of electromagnetic radiation constituting a radiating element excitation spectrum (REX), the radiating element excitation spectrum (REX) differing from the radiating element emission spectrum (REM). The blocking element (2) and the radiating element (3) are further configured such, i) that the blocking element spectrum (RB) essentially corresponds to the radiating element excitation spectrum (REX), or ii) that the blocking element spectrum (RB) essentially corresponds to the radiating element emission spectrum (REM).

IPC 8 full level
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Citation (applicant)
• US 2005098636 A1 20050512 - SCHUMACHER MATTIAS [DE], et al
• EP 2424735 B1 20141231 - GEMALTO SA [FR]

Citation (search report)
• [X] WO 2017005633 A1 20170112 - BUNDESDRUCKEREI GMBH [DE]
• [X] EP 3578380 A1 20191211 - GIESECKE DEVRIENT CURRENCY TECH GMBH [DE]
• [X] WO 2019081984 A2 20190502 - ASSA ABLOY AB [SE]
• [X] WO 2016096285 A1 20160623 - GEMALTO SA [FR]
• [X] WO 2014111405 A1 20140724 - BUNDESDRUCKEREI GMBH [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)
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