

Title (en)
PERSONALIZABLE LUMINESCENT SECURITY ELEMENT

Title (de)
PERSONALISIERBARES LUMINESZIERENDES SICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ LUMINESCENT PERSONNALISABLE

Publication
EP 4081406 A1 20221102 (EN)

Application
EP 20821014 A 20201211

Priority
• EP 19306768 A 20191224
• EP 2020085842 W 20201211

Abstract (en)
[origin: EP3842254A1] 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 (search report)
See references of WO 2021130035A1

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KH MA MD TN

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