Title (en)

METHOD FOR ACTIVATING AND DEACTIVATING THE PHOSPHORESCENCE OF A STRUCTURE, METHOD FOR PRODUCING A PHOSPHORESCENT STRUCTURE, AND PHOSPHORESCENT STRUCTURE, LABEL HAVING A PHOSPHORESCENT STRUCTURE, METHOD FOR WRITING TO, READING FROM AND ERASING A LABEL, AND UV SENSOR

Title (de)

VERFAHREN ZUR AKTIVIERUNG UND DEAKTIVIERUNG DER PHOSPHORESZENZ EINER STRUKTUR, VERFAHREN ZUR HERSTELLUNG EINER PHOSPHORESZIERENDEN STRUKTUR UND PHOSPHORESZIERENDE STRUKTUR, ETIKETT MIT PHOSPHORESZIERENDER STRUKTUR, VERFAHREN ZUM BESCHREIBEN, AUSLESEN UND LÖSCHEN EINES ETIKETTS SOWIE UV-SENSOR

Title (fr)

PROCÉDÉ D'ACTIVATION ET DE DÉSACTIVATION DE LA PHOSPHORESCENCE D'UNE STRUCTURE, PROCÉDÉ DE FABRICATION D'UNE STRUCTURE PHOSPHORESCENTE ET STRUCTURE PHOSPHORESCENTE, ÉTIQUETTE COMPRENANT UNE STRUCTURE PHOSPHORESCENTE, PROCÉDÉ DE DESCRIPTION, DE LECTURE ET DE SUPPRESSION D'UNE ÉTIQUETTE, AINSI QUE CAPTEUR UV

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Abstract (en)

[origin: WO2020039090A2] A method for activating and deactivating the phosphorescence of a structure is proposed, wherein for the purpose of activating in a first activating step for the photochemical deactivation of oxygen in the structure, the structure is illuminated with light having a first characteristic, and in a second activating step for initiating the phosphorescence, the structure is illuminated with light having a second characteristic, wherein for the purpose of deactivating in a deactivating step, the structure is illuminated with light having a third characteristic for the purpose of introducing oxygen. Furthermore, a structure for use in the method according to the invention, a production method for producing the structure, and a label comprising the structure according to the invention, and a method for writing to, reading from and erasing the label, and a UV sensor comprising the structure according to the invention, and a method for determining UV dose using the UV sensor are proposed.

IPC 8 full level

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CPC (source: EP KR US)

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