

Title (en)
PROCESS FOR RECORDING AND REPRODUCING DATA BY FLUORESCENCE ON A PHOTSENSITIVE CARRIER, CARRIER THEREFOR

Title (de)
VERFAHREN ZUR FLUORESZENZ- AUFZEICHNUNG UND WIEDERGABE VON DATEN AUF EINEM LICHTEMPFLINDLICHEN TRÄGER, TRÄGER DAFÜR

Title (fr)
PROCÉDÉ D'ÉCRITURE ET DE LECTURE DE DONNÉES PAR FLUORESCENCE SUR UN SUPPORT PHOTSENSIBLE, SUPPORT ASSOCIÉ

Publication
EP 2577660 A2 20130410 (FR)

Application
EP 11726915 A 20110527

Priority
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Abstract (en)
[origin: WO2011148113A2] The invention relates to a method for the three-dimensional recording of data on a substrate made of a transparent light-sensitive material including at least one dopant, said method including: a first step of calibrating and testing a pulsed light source, which includes calibrating the number of pulses, the level of fluence of each pulse emitted and the pulse rate; a step of inscribing an area of the material. The fluence of each pulse emitted, the number of pulses and the pulse rate are suitable for irradiating the material in said area such as to form stabilised fluorescent aggregates from the dopant while minimising the modification of the refractive index and the absorption coefficient of the substrate in a wavelength spectrum from visible to near infrared.

IPC 8 full level
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Citation (search report)
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WO 2011148113 A2 20111201; **WO 2011148113 A3 20120830**; CA 2800077 A1 20111201; CA 3006222 A1 20111201; CA 3006222 C 20190723; EP 2577660 A2 20130410; EP 2701147 A2 20140226; EP 2701147 A3 20140326; EP 2701147 B1 20170906; FR 2960689 A1 20111202; FR 2960689 B1 20130510; JP 2013530480 A 20130725; JP 2016105085 A 20160609; JP 5845249 B2 20160120; JP 6266581 B2 20180124; US 2013142021 A1 20130606; US 2014070114 A1 20140313; US 8599658 B2 20131203; US 9816925 B2 20171114

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