

Title (en)

Polymer substrate with fluorescent structure, method for production of same and application of same

Title (de)

Polymersubstrat mit fluoreszierender Struktur, Verfahren zu dessen Herstellung und dessen Verwendung

Title (fr)

Substrat polymère doté d'une structure fluorescente, son procédé de fabrication et son utilisation

Publication

EP 2292329 B1 20141112 (DE)

Application

EP 09011507 A 20090908

Priority

EP 09011507 A 20090908

Abstract (en)

[origin: EP2292329A1] The substrate has fluorescent structures as an integral component and formed as a photochemically generated retrieval grid, where the substrate has no fluorophores or precursors before photochemical processing. Fluorescent and non-fluorescent regions consist of identical output materials, where intensity of emission of the fluorescent region is 10 times greater than that of the non-fluorescent region. The structures are generated by radiation sources e.g. neodymium-doped yttrium orthovanadate/yttrium lithium fluoride laser, argon- and krypton fluoride lasers and fluorine- and xenon lasers. Independent claims are also included for the following: (1) a method for manufacturing a polymer substrate (2) a sample chamber containing a polymer substrate.

IPC 8 full level

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CPC (source: EP US)

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