

Title (en)

FLUORESCENCE SENSOR FOR DETECTING GAS COMPOSITIONS

Title (de)

FLUORESZENZSENSOR ZUR DETEKTION VON GASZUSAMMENSETZUNGEN

Title (fr)

CAPTEUR À FLUORESCENCE POUR LA DÉTECTION DE COMPOSITIONS GAZEUSES

Publication

EP 2021772 A1 20090211 (DE)

Application

EP 07722374 A 20070508

Priority

- DE 2007000820 W 20070508
- DE 102006025470 A 20060530

Abstract (en)

[origin: CA2653894A1] Fluorescence sensor for detecting gas compositions, said sensor having a carrier substrate (1) and a fluorescent layer (10) which is applied to the latter and essentially comprises a gas-permeable polymer matrix (2) with a fluorescent dye (3) embedded in it, wherein a diffusion layer (4) made of gas-permeable ceramics and/or polymers is arranged above the fluorescent layer (10), said diffusion layer being adapted in such a manner that it gives rise to a time delay in the diffusion of gas from the environment (5) to be detected to the fluorescent layer (10) and vice versa.

IPC 8 full level

G01N 21/64 (2006.01)

CPC (source: EP US)

G01N 21/783 (2013.01 - EP US); **G01N 2021/7786** (2013.01 - EP US)

Citation (search report)

See references of WO 2007137550A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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