

Title (en)
PHOTOELECTRIC DETECTOR DEVICE

Publication
EP 0056671 B1 19870826 (FR)

Application
EP 82200039 A 19820114

Priority
FR 8101039 A 19810121

Abstract (en)
[origin: US4490605A] The photoelectric device comprises a photosensitive layer on a substrate which is transparent to incident radiation. An intermediate layer for optically adapting the photosensitive layer to the substrate is provided therebetween. The respective thicknesses of the intermediate layer and the photosensitive layer are proportioned so that photon absorption takes place in the photosensitive layer near the output of the layer within a distance on the order of magnitude of the escaping depth of the electrons. Photon absorption takes place in such manner that the efficiency of the photoemission of the structure is optimum taking into account the nature of the materials of the layers.

IPC 1-7
H01J 29/38; H01J 1/34

IPC 8 full level
G01J 1/04 (2006.01); **G01J 1/02** (2006.01); **H01J 29/38** (2006.01)

CPC (source: EP US)
H01J 29/38 (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0056671 A1 19820728; EP 0056671 B1 19870826; DE 3277100 D1 19871001; FR 2498321 A1 19820723; FR 2498321 B1 19840413; JP H0552444 B2 19930805; JP S57142521 A 19820903; US 4490605 A 19841225

DOCDB simple family (application)
EP 82200039 A 19820114; DE 3277100 T 19820114; FR 8101039 A 19810121; JP 689682 A 19820121; US 33791782 A 19820108