

Title (en)

ORGANIC DIODES WITH SWITCHABLE PHOTOSENSITIVITY

Title (de)

ORGANISCHE DIODEN MIT SCHALTBARER PHOTOEMPFINDLICHKEIT

Title (fr)

DIODES ORGANIQUES A PHOTOSENSIBILITE COMMUTABLE

Publication

EP 1027741 A1 20000816 (EN)

Application

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Priority

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Abstract (en)

[origin: WO9909603A1] Organic diode detectors (10) with switchable photosensitivity are achieved using organic photo layers (12) in the photodiodes and a detector circuit (15, 16) which applies a reverse or forward bias voltage across the diodes. These diodes can be arranged in matrices which function as high-performance, two-dimensional image sensors. These image sensors can achieve full color or selected color detection capability.

IPC 1-7

H01L 27/00; H01L 51/20; H01L 27/146

IPC 8 full level

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