

Title (en)
ORGANIC PHOTOSENSITIVE OPTOELECTRONIC DEVICE

Title (de)
ORGANISCHE OPTOELEKTRONISCHE LICHTEMPFLINDLICHE VERRICHTUNG

Title (fr)
DISPOSITIF ORGANIQUE OPTOELECTRONIQUE PHOTOSENSIBLE

Publication
EP 1048084 A4 20010509 (EN)

Application
EP 99942386 A 19990818

Priority
• US 9919067 W 19990818
• US 13634298 A 19980819
• US 13616698 A 19980819
• US 13637798 A 19980819
• US 13616598 A 19980819
• US 13616498 A 19980819

Abstract (en)
[origin: WO0011725A1] An organic photosensitive optoelectronic device (OPOD) is optimized to enhance characteristics such as external quantum efficiency. The OPOD (300) may have one or more transparent electrodes (302, 304). The substrate (301) may be the bottom electrode, or there may be a bottom electrode distinct from the substrate. One or more organic photoconductive layers (303) are disposed between the electrodes. The OPOD may also have a multilayer photoconductive structure or a stacked configuration of multiple photosensitive optoelectronic subcells. The OPOD may also have a reflective layer or a reflective substrate.

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IPC 8 full level
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CPC (source: EP)
B82Y 10/00 (2013.01); **H10K 30/211** (2023.02); **H10K 30/57** (2023.02); **H10K 30/82** (2023.02); **H10K 39/32** (2023.02); **H10K 30/451** (2023.02); **H10K 85/211** (2023.02); **H10K 85/30** (2023.02); **H10K 85/311** (2023.02); **H10K 85/60** (2023.02); **H10K 85/621** (2023.02); **Y02E 10/549** (2013.01)

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• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 136 (E - 737) 5 April 1989 (1989-04-05)
• See also references of WO 0011725A1

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US 9919067 W 19990818; AR P060102082 A 20060522; AR P060102083 A 20060522; AR P060102084 A 20060522; AR P060102085 A 20060522; AR P060102086 A 20060522; AR P060102087 A 20060522; AR P060102088 A 20060522; AR P060102089 A 20060522; AR P990104130 A 19990818; AU 2004200841 A 20040302; AU 2004200843 A 20040302; AU 2004200844 A 20040302; AU 2004200847 A 20040302; AU 5577799 A 19990818; BR 9906708 A 19990818; CA 2306833 A 19990818; CN 201210153323 A 19990818; CN 99801626 A 19990818; EP 10009906 A 19990818; EP 10009907 A 19990818; EP 10009908 A 19990818; EP 10010254 A 19990818; EP 10010981 A 19990818; EP 99942386 A 19990818; HK 07100315 A 20070110; IN 23MU2000 A 20000418; JP 2000566896 A 19990818; JP 2010106765 A 20100506; JP 2011117041 A 20110525; JP 2011160985 A 20110722; JP 2011160986 A 20110722; JP 2011160987 A 20110722; JP 2011160988 A 20110722; JP 2011160989 A 20110722; JP 2014090137 A 20140424; JP 2014090138 A 20140424; JP 2016037580 A 20160229; MX PA00003918 A 19990818; TW 88114114 A 19990818