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(71) Applicant (for all designated States except US): **THE TRUSTEES OF PRINCETON UNIVERSITY** [US/US];
P.O. Box 36, Princeton, NJ 08544 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FORREST, Stephen** [US/US]; 148 Hunt Drive, Princeton, NJ 08540 (US). **XUE, Jiangeng** [CN/US]; 900 Davidson Road,

Apartment 103, Piscataway, NJ 08854 (US). **UCHIDA, Soichi** [JP/US]; 2401-1124, 2-4-2, Shiomidai, Isogo-ku, Yokohama 235-0022 (JP). **RAND, Barry, P.** [US/US]; 31 Eden Way, Princeton, NJ 08540 (US).

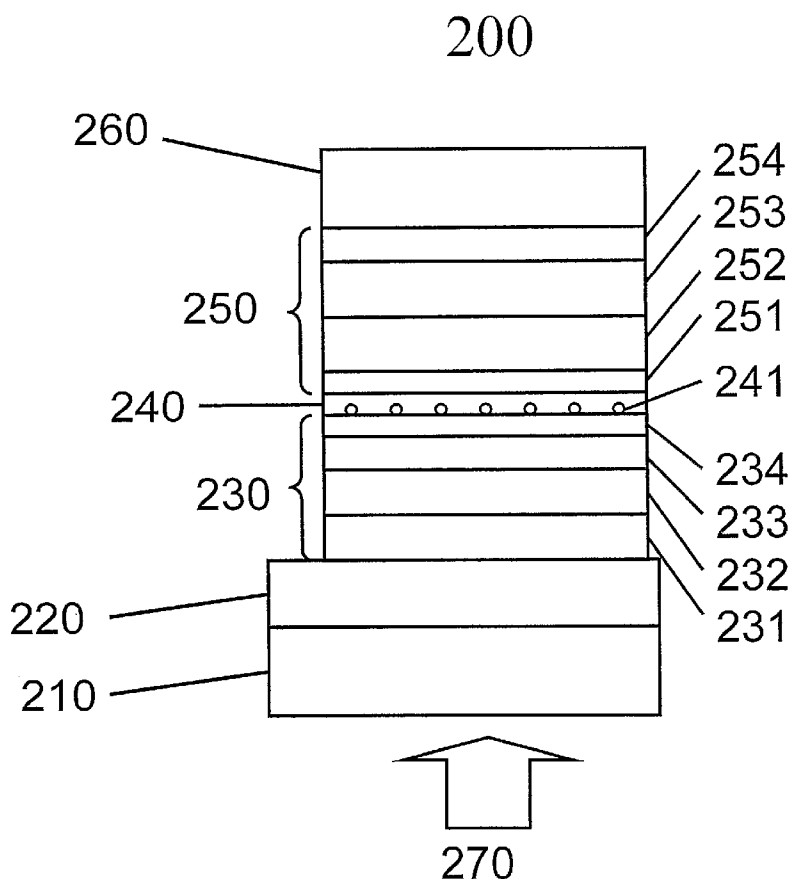
(74) Agents: **BIRDE, Patrick, J.** et al.; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

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[Continued on next page]

(54) Title: STACKED ORGANIC PHOTOSENSITIVE DEVICES



(57) Abstract: A device is provided having a first electrode, a second electrode, a first photoactive region having a characteristic absorption wavelength λ_1 and a second photoactive region having a characteristic absorption wavelength λ_2 . The photoactive regions are disposed between the first and second electrodes, and further positioned on the same side of a reflective layer, such that the first photoactive region is closer to the reflective layer than the second photoactive region. The materials comprising the photoactive regions may be selected such that λ_1 is at least about 10% different from λ_2 . The device may further comprise an exciton blocking layer disposed adjacent to and in direct contact with the organic acceptor material of each photoactive region, wherein the LUMO of each exciton blocking layer other than that closest to the cathode is not more than about 0.3 eV greater than the LUMO of the acceptor material.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MAENNIG B ET AL: "ORGANIC P-I-N SOLAR CELLS" APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, SPRINGER VERLAG, BERLIN, DE, vol. A79, no. 1, 5 March 2004 (2004-03-05), pages 1-14, XP008051078 ISSN: 0947-8396 pages 1-2 pages 4-9 pages 11-13	1,4,7,9, 14,19-21
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Visentin, Alberto

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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International application No

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