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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): **RAND, Barry, P.** [US/US]; 31 Eden Way, Princeton, NJ 08540 (US). **FORREST, Stephen** [US/US]; 148 Hunt Drive, Princeton, NJ 08540 (US).

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

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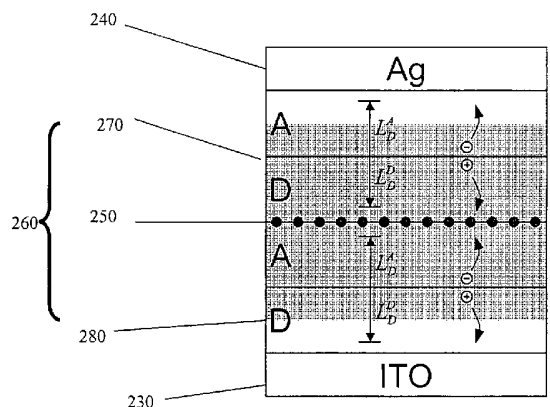
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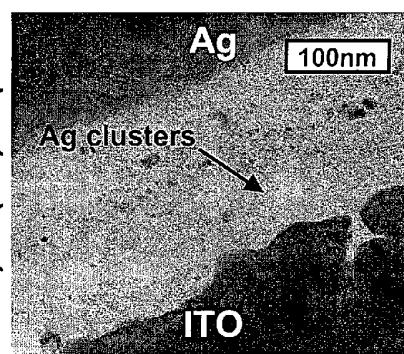
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ORGANIC PHOTOSENSITIVE DEVICES



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(57) Abstract: The present invention generally relates to organic photosensitive optoelectronic devices. More specifically, it is directed to organic photosensitive optoelectronic devices having a photoactive organic region containing encapsulated nanoparticles that exhibit plasmon resonances. An enhancement of the incident optical field is achieved via surface plasmon polariton resonances. This enhancement increases the absorption of incident light, leading to a more efficient device.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/042846 A1 (FORREST STEPHEN R ET AL) 6 March 2003 (2003-03-06) the whole document	1-4,6,7, 9,13, 17-22
A	US 6 239 355 B1 (SALAFSKY JOSHUA S) 29 May 2001 (2001-05-29) the whole document	1-5,21, 23,25-28
A	ANDREW P ET AL: "Surface-plasmon energy gaps and photoabsorption" JOURNAL OF MODERN OPTICS TAYLOR & FRANCIS UK, vol. 44, no. 2, February 1997 (1997-02), pages 395-406, XP002363333 ISSN: 0950-0340 the whole document	1
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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

Wolfbauer, G

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LINK S ET AL: "Alloy formation of gold-silver nanoparticles and the dependence of the plasmon absorption on their composition"</p> <p>JOURNAL OF PHYSICAL CHEMISTRY B ACS USA, vol. 103, no. 18, 6 May 1999 (1999-05-06), pages 3529-3533, XP002363334</p> <p>ISSN: 1089-5647</p> <p>the whole document</p> <p>-----</p>	1

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US 2003042846	A1	06-03-2003	US	2004113546 A1	17-06-2004
US 6239355	B1	29-05-2001	NONE		