

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 2003/107046 A3

(51) International Patent Classification⁷: **G02F 1/11**,
1/29, H01L 21/44

(21) International Application Number:
PCT/US2003/019131

(22) International Filing Date: 17 June 2003 (17.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/389,512 18 June 2002 (18.06.2002) US

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

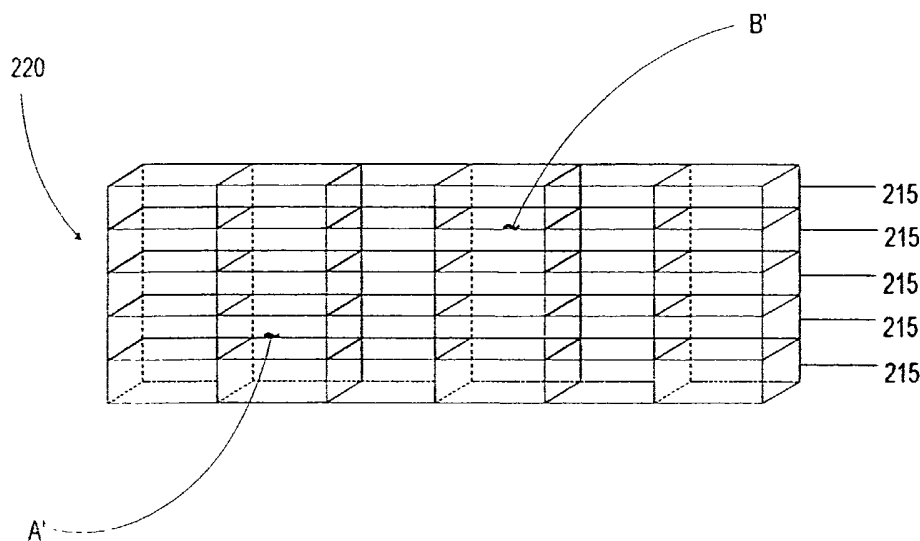
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
26 August 2004

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: OPTICAL COMPONENTS EXHIBITING ENHANCED FUNCTIONALITY AND METHOD OF MAKING SAME



(57) Abstract: The present invention is directed to a method for enhancing functionality for photonic devices each including at least one operable surface. This method includes stacking the photonic devices (220) such that each of the operable surfaces are aligned to form a composite surface, applying a film adapted to receive a replication to the composite surface and replicating a pattern of a nanostructure in the applied film. Substantially, each of the operable surfaces is replicated with a sufficient portion of the replicated pattern of nanostructures to enhance operation of the devices by performing a given function associated with nanostructures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19131

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02F 1/11, 1/29; H01L 21/44

US CL : 359/321, 298; 438/615

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)

U.S. : 359/321, 298; 438/615

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P	US 6,410,416 B1(DODABALPUR et al.) 25 June 2002 (25.06.2002), see entire document.	29, 31, 33, 34, 37-39



Further documents are listed in the continuation of Box C.



See patent family annex.

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"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

14 April 2004 (14.04.2004)

Date of mailing of the international search report

16 JUN 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

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