OPTICAL DEVICES BASED ON INTERNAL CONICAL DIFFRACTION

Abstract: Optical devices based on internal conical refraction for developing new set-ups, methods and applications based on the specific properties of internal conical diffraction. The devices include several set-ups, methods and applications consisting of biaxial crystal(s) - one or more polarization elements and optical elements. The biaxial crystal is an optical crystal which may belong to the trigonal, orthorhombic or trigonal crystal classes.
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before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
INTERNATIONAL SEARCH REPORT

International application No. PCT/US2007/022379

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - GOU 3/30 (2008.01)
USPC - 356/306

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)
IPC(B) - GOU 3/30 (2008.01)
USPC - 356/306

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 practicable, search terms used)
MicroPatent, IP.com, DialogPro

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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Further documents are listed in the continuation of Box C

* Special categories of cited documents
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Date of the actual completion of the international search: 08 March 2008

Date of mailing of the international search report: 02 APR 2108

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 571-273-3201

Authorized officer: Blaine R. Copenheaver

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