

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111673 A3

(51) International Patent Classification⁷: **H04N 5/225**

(21) International Application Number:
PCT/IL2004/000518

(22) International Filing Date: 16 June 2004 (16.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
156478 17 June 2003 (17.06.2003) IL

(71) Applicant (for all designated States except US): **O.D.F. OPTRONICS LTD.** [IL/IL]; 65 Yigal Alon Street, 67443 Tel Aviv (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GAL, Ehud** [IL/IL]; 3 HaGalil Street, 71908 Reut (IL).

(74) Agents: **LUZZATTO, Kfir et al.**; P.O. Box 5352, 84152 Beer Sheva (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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

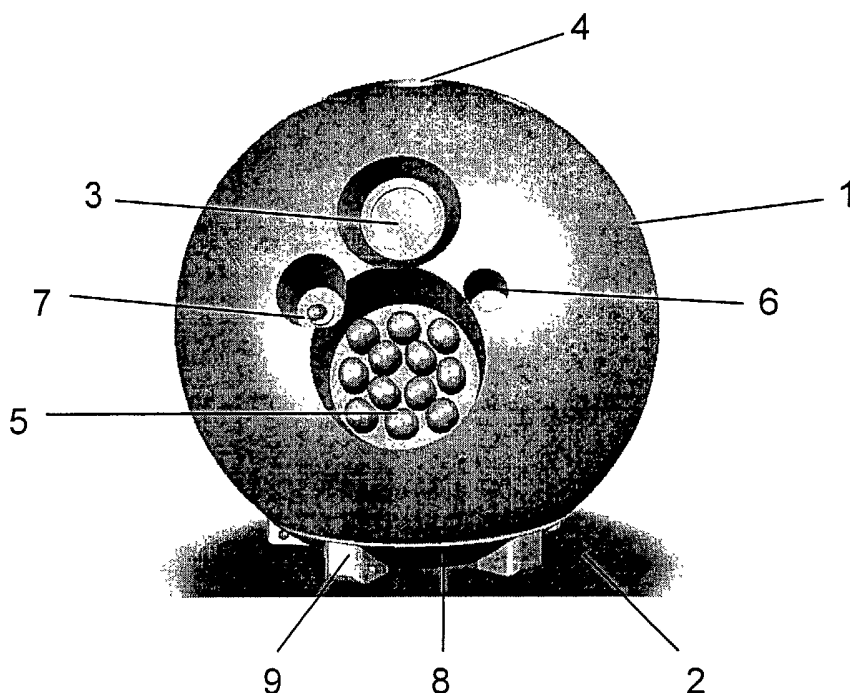
Published:

- 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:
6 October 2005

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: COMPACT MOBILE RECONNAISSANCE SYSTEM



(57) Abstract: The present invention provides a compact mobile reconnaissance device (1) that is designed to be deployed in hostile, dangerous, or difficult to access environments, to absorb shocks, to be resistant to adverse environmental conditions, and to transmit video and audio streams related to events at which it has been deployed to a remote receiver and display unit.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00518

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04N 5/225

US CL : 348/373, 375, 117,118,147,148,207.99,211.4,21.8,211.99; 89/1.11

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. : 348/373, 375, 117,118,147,148,207.99,211.4,21.8,211.99; 89/1.11

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)

EAST: camera, sensor, launch, throw, fire, surveillance.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,742,390 A (FRANCKE et al.) 3 May 1988, see entire document.	1-37
A	US 5,808,226 A (ALLEN et al.) 15 September 1998, see entire document.	1-37
A	US 5,467,681 A (LIBERMAN) 21 November 1995, see entire document.	1-37
A	US 6,510,776 A (SIRMALIS et al.) 28 January 2003, see entire document.	1-37
A	US 6,577,339 A (THOMPSON et al.) 10 June 2003, see entire document.	1-37
A	US 6,739,232 A (PORTER et al.) 25 May 2004, see entire document.	1-37

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

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

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

22 July 2005 (22.07.2005)

Date of mailing of the international search report

29 AUG 2005

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

Authorized officer

LUONG T. NGUYEN

Telephone No. (571) 272 - 7315