Title: OPTICAL BLOCK ASSEMBLY

Abstract: Optical block assemblies (200) having single or multi-stage folded light path lens assemblies (218) that may be implemented to allow an optical block assembly to occupy significantly less space and/or present reduced rotational inertia to an electrical articulating mechanism. An optical assembly may be so configured for closed circuit television applications or in any other suitable video imaging application including, but not limited to, applications involving non-articulated or articulated cameras such as normal filming (e.g., motion picture film cameras or studio television cameras), camcorders, military targeting or imaging devices, etc.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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.

(88) Date of publication of the international search report:
9 December 2004
### INTERNATIONAL SEARCH REPORT

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US03/39082

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### A. CLASSIFICATION OF SUBJECT MATTER

**IPC(7):** H04N 7/18, 9/47  
**US CL:** 348/61

According to International Patent Classification (IPC) or to both national classification and IPC.

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### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S.: 348/61, 145, 143

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

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### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<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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<td>US 6,747,000 B1 (BENNETT) 8 June 2004 (08.06.2004) column 9</td>
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<td>Y P</td>
<td>US 6,322,258 B1 (RYAN et al) 27 November 2001 (27.11.2001), column 1 lines 11-20</td>
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- See patent family annex.
- **X** 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
- **X** 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
- **Y** 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
- **&** document member of the same patent family

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Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search: 04 October 2004 (04.10.2004)

Date of mailing of the international search report: 27 OCT 2004

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Form PCT/ISA/210 (second sheet) (July 1998)
### C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>US 4,192,591 (YOBACCIO) 11 March 1980 (11.03.1980)</td>
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<td>US 3,958,257 (JOHNSON) 18 May 1976 (18.05.1976)</td>
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