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(71) Applicant (for all designated States except US):
NORTHROP GRUMMAN CORPORATION [US/US];
1840 Century Park, Los Angeles, CA 90067 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **EVANS, Daniel, Byron, Jr.** [US/US]; 5375 Dunteachin Drive, Ellicott City, MD 21043 (US). **WEYGANDT, James, Philip** [US/US]; 1202 Larado Court, Riva, MD 21140 (US).

(74) Agent: **CAMMARATA, Michael, R.**; c/o Birch, Stewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, VA 22042-0747 (US).

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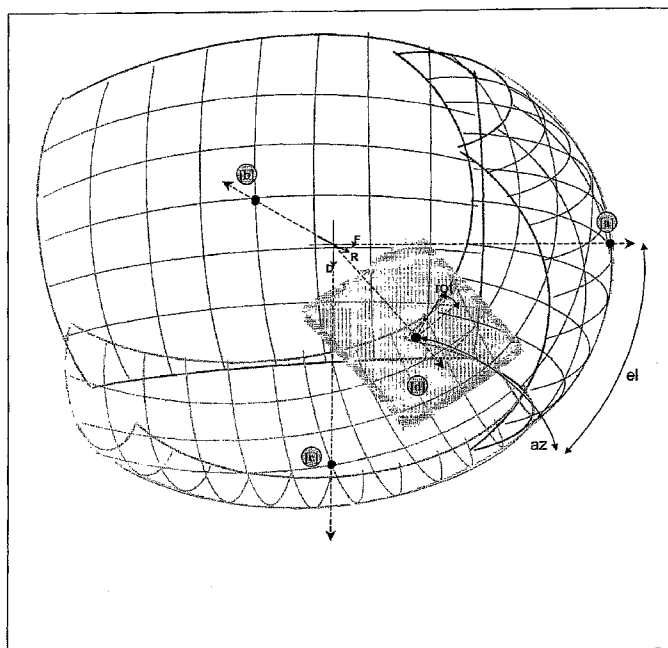
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(54) Title: MULTI-CAMERA IMAGE STITCHING FOR A DISTRIBUTED APERTURE SYSTEM



(57) Abstract: Distributed Aperture Systems use multiple staring sensors (1112) distributed around a vehicle to provide automatic detection of targets, and to provide an imaging capability at all aspects. The sensor image data is "stitched" to make the camera joints transparent to the operator. For example, images from three different cameras (1112) may be combined into a single seamless mosaic. The output mosaic is suitable for rendering on a head-steered helmet mounted display or a multifunction console display (1118).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04N 5/225(2006.01)

USPC: 348/218.1

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. : 348/218.1

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0163582 A1 (Gruber et al.) 07 November 2002 (07.11.2002), paragraphs [0053]-[0089].	1-7, 9, 18-22, 28
A	US 5,016,109 (Gaylord) 14 May 1991 (14.05.1991)	

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☐ See patent family annex.

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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

Ngoc-Yen Vu

Telephone No. 571-272-7320