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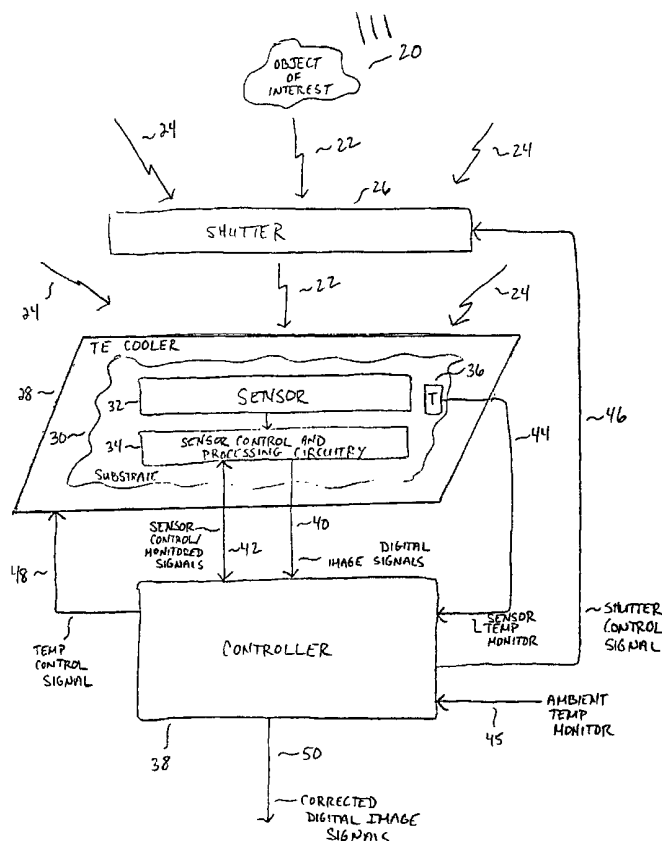
(43) International Publication Date  
8 November 2001 (08.11.2001)

PCT

(10) International Publication Number  
**WO 01/84118 A3**

- (51) International Patent Classification<sup>7</sup>: **G01J 5/20** (74) Agent: **MORRIS, James, H.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).
- (21) International Application Number: PCT/US01/13612 (81) Designated States (*national*): IL, JP.
- (22) International Filing Date: 27 April 2001 (27.04.2001) (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/201,577 1 May 2000 (01.05.2000) US  
Published:  
— with international search report
- (71) Applicant: **BAE, INC.** [US/US]; Two Forbes Road, Lexington, MA 02173 (US). (88) Date of publication of the international search report:  
4 April 2002
- (72) Inventor: **BUTLER, Neal, R.**; 144 School Street, Acton, MA 01710 (US).  
*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: METHODS AND APPARATUS FOR COMPENSATING A RADIATION SENSOR FOR TEMPERATURE VARIATIONS OF THE SENSOR



(57) Abstract: In one example, the radiation sensor is a thermal sensor having at least one property that varies as a function of temperature. The thermal sensor outputs signals based on thermal radiation of interest from a particular radiating body in its view. These signals may contain significant undesirable components due in part to changes in temperature of the sensor itself. Methods and apparatus of the invention compensate the sensor for temperature variations of the sensor that are not due to the radiation of interest, so as to significantly reduce undesirable components in the instantaneous signals output by the sensor. In one example, this is accomplished without thermally stabilizing the sensor itself (i.e., dynamic temperature compensation). In another example, the sensor is thermally stabilized selectively at various predetermined temperatures as a function of the ambient temperature in the proximity of the sensor.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/13612

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01J5/20

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 7 G01J

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 practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 35212 A (INDIGO SYSTEMS CORP) 13 August 1998 (1998-08-13) page 16, line 2 - page 19, line 16; figures	1,4-6, 9-12
A	page 18, line 25 - line 27	3,8
X	page 18, line 28 - line 31 -----	2,7



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

21 December 2001

Date of mailing of the international search report

07/01/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Ramboer, P

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/13612

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			US 6028309 A	22-02-2000
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			EP 1007920 A1	14-06-2000
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