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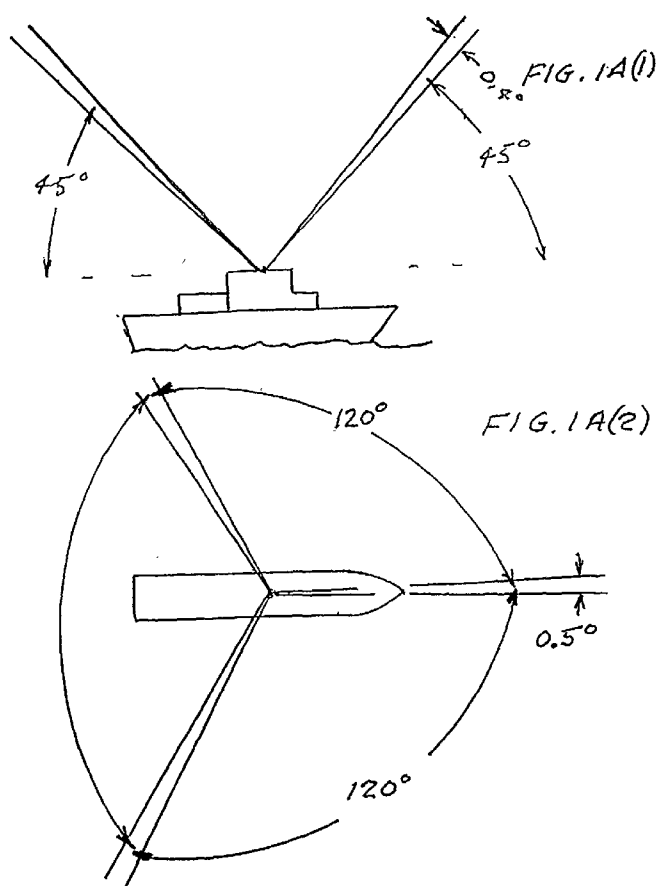
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[Continued on next page]

(54) Title: DAYTIME STELLAR IMAGER



(57) Abstract: An automatic celestial imaging system operable both night and day by observation of K-band or H-band infrared light from multiple stars. The system includes at least one telescope for viewing at least one portion of sky, an infrared sensor, telescope optics for focusing H-band or K-band light from the stars onto the infrared sensor, an accurate timing device and a computer processor programmed to utilize image data from the infrared sensor, time information from the timing device, with the star chart information to make desired determinations. The invention may be used for a variety of purposes such as navigation, for attitude determination, for correcting ephemeris errors and for making true vertical measurements or for producing maps to correct vertical measurements made with inclinometers.



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
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A. CLASSIFICATION OF SUBJECT MATTER

IPC: G05D 1/08(2006.01);G01C 21/00(2006.01)

USPC: 701/004,013,200,220-223;73/178;33/227;244/3.15

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. : 701/004, 013, 200, 220-223; 73/178; 33/227; 244/3.15

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)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,043,903 A (CONSTANT) 27 August 1991.	
A	US 6,721,658 B2 (STRADTER et al.) 13 April 2004.	



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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