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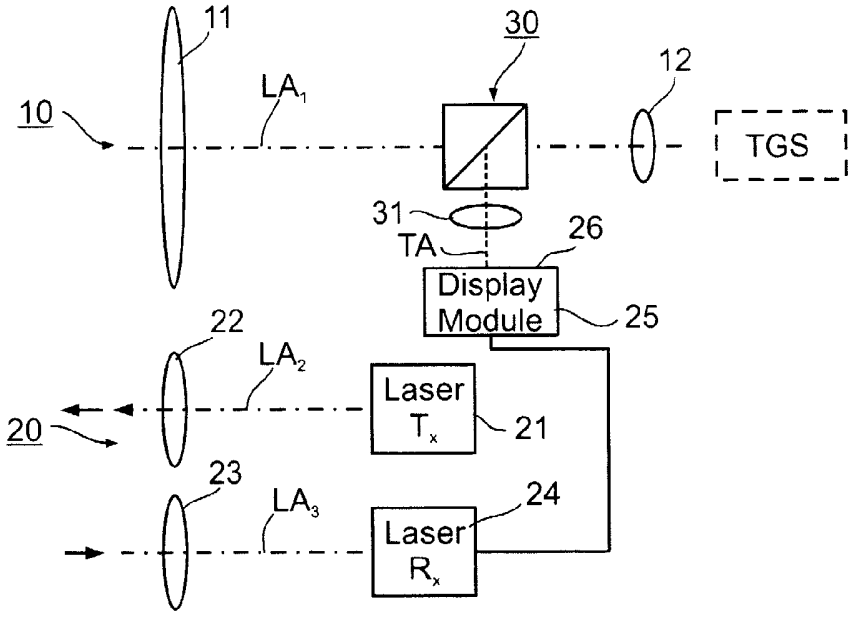
[Continued on next page]

(54) Title: AUXILIARY OPTICAL UNIT ATTACHABLE TO OPTICAL DEVICES, PARTICULARLY TELESCOPIC GUN SIGHTS



(57) Abstract: An auxiliary optical unit attachable to an optical device for optional use therewith, includes: (a) an afocal teleconverter lens system having a predetermined magnification; (b) a laser range finder system for measuring and displaying the range to viewed object; and (c) a beam splitter located within the auxiliary optical unit such that when the auxiliary optical unit is attached to the optical device, both the displayed range and the object are concurrently viewable by the optical device. In the described preferred embodiment, the optical device is a telescopic gun sight to which the auxiliary optical unit is quickly attachable, to provide range display and increased magnification whenever desired.

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IPC(7) : G02B 23/00, 23/02, 23/08, 27/10, 27/14; G01C 3/00, 3/08
US CL : 359/399-406, 618, 629, 630; 356/3, 4.01-5.15

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	UK Patent Application 2,046,551 A (AFSENIUS et al.) 12 November 1980 (12.11.1980).	1-20
Y	US 4,015,895 A (HIROSE) 05 April 1977 (05.04.1977), column 1, lines 14-18.	1-5, 9-15, 18-20
Y	US 5,164,733 A (NETTLETON et al) 17 November 1992 (17.11.1992), figure 1.	6-8
Y	US 5,824,942 A (MLADJAN et al) 20 October 1998 (20.10.1998), column 4, lines 33-40.	16,17

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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