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Schweitzer et al.

[56]

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4,834,529 5/1989 Barrett 351/21	4,834,529	5/1989	Barrett		351/212
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FOREIGN PATENT DOCUMENTS

 1260818
 3/1965
 Fed. Rep. of Germany .

 2202566
 1/1972
 Fed. Rep. of Germany .

 7131152
 1/1971
 France .

OTHER PUBLICATIONS

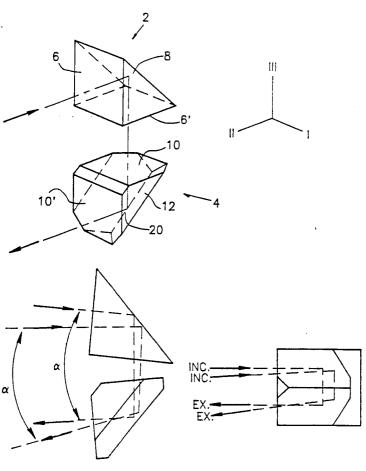
"The Optician", vol. 143, No. 3712, May 25, 1962, pp. 513-518, Reflecting Prisms.

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[57] ABSTRACT

A constant-deviation device is disclosed which comprises a first reflective element in the form of one or more roof prisms and one or more second reflective elements providing one or more reflections. The first and the second reflective elements are mutually adjustable by rotation about one or more axes thereby to set an angle between the incident and the exiting beam. In one or more planes the angle is substantially unaffected by changes in the direction of incidence of the incident beam.

14 Claims, 4 Drawing Sheets



[54] CONSTANT-DEVIATION REFLECTOR [75] Inventors: Naftali Schweitzer; Joseph S. Bodenheimer, both of Jerusalem, Driver Safety Systems Ltd., Herzliya Assignee: on Sea, Israel [21] Appl. No.: 391,338 [22] Filed: Aug. 9, 1989 Foreign Application Priority Data [30] Israel 87441 Aug. 12, 1988 [IL] Int. Cl.⁵ G02B 5/122; G02B 5/04 359/900

References Cited U.S. PATENT DOCUMENTS

3,424,516	1/1969	Snyder 3	50/286
3,762,794	10/1973	Arnaud	350/7
3,798,666	3/1974	Heller et al 3	50/286
4,171,870	10/1979	Bruning et al 3	50/173
4,230,339	10/1980	Moyroud	354/10
4,302,079	11/1981	White 3	50/371
4,615,590	10/1986	Alvarez et al 3	50/287

350/173, 371, 102, 320; 351/212, 211; 354/10