Baur et al.

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[45] Mar. 6, 1979

[54]	54] ELECTRO-OPTICAL DISPLAY DEVICE WITH ELECTRO-OPTICAL LIGHT VALVES				
[75]	Inventors:	Guenter Baur, Freiburg; Waldemar Greubel, Denzlingen, both of Fed. Rep. of Germany			
[73]	Assignee:	Siemens Aktiengesellschaft, Berlin & Munich, Fed. Rep. of Germany			
[21]	Appl. No.:	747,035			
[22]	Filed:	Dec. 2, 1976			
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Dec. 3, 1975 [DE] Fed. Rep. of Germany 2554226 Apr. 15, 1976 [DE] Fed. Rep. of Germany 2616669 Sep. 10, 1976 [DE] Fed. Rep. of Germany 2640909					
[51] [52]	Int. Cl. ² U.S. Cl				
[56]		References Cited			
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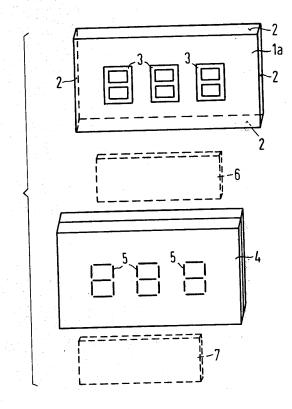
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Primary Examiner—Edward S. Bauer Attorney, Agent, or Firm—Hill, Gross, Simpson, Van Santen, Steadman, Chiara & Simpson

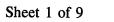
[57] ABSTRACT

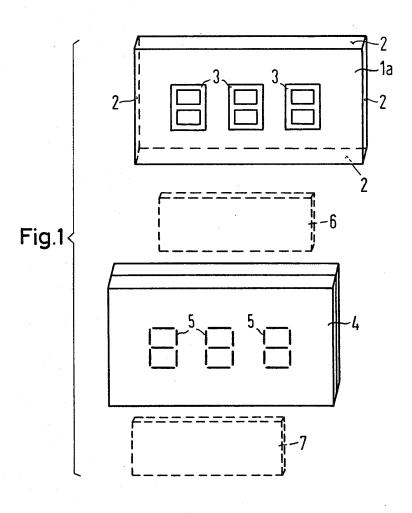
Electro-optical display device which may operate either in a one or multi-color mode and utilizes electro-optical light valves for controlling transmittance of a passive light through the device characterized by passively amplifying the brightness of the display device with the addition of a light trap which includes a fluorescent plate having mirrored edge surfaces. While the invention or improvement may be utilized with any passive optical display device, it is particularly useful with a liquid crystal display device.

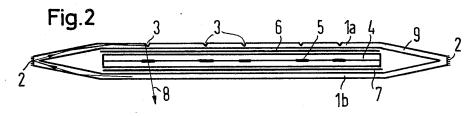
36 Claims, 20 Drawing Figures



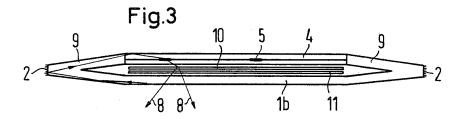




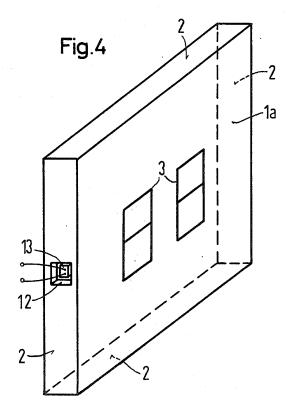


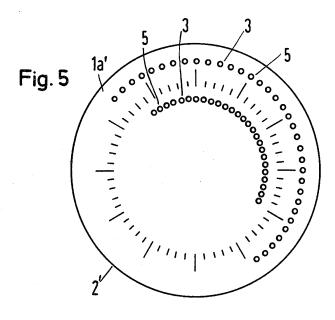


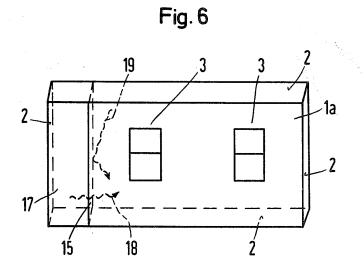


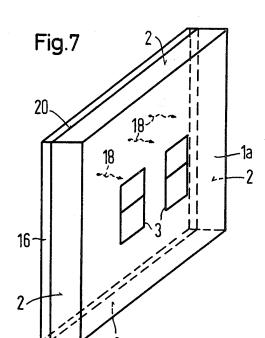


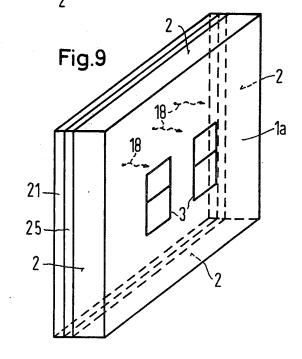












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