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**Parker**

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(54) **LIGHT EMITTING PANEL ASSEMBLIES**

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(73) Assignee: **Solid State Opto Limited** (VG)

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This patent is subject to a terminal disclaimer.

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(51) **Int. Cl.**  
**F21V 8/00** (2006.01)

(52) **U.S. Cl.** ..... **362/607**; 362/618; 362/619;  
362/620

(58) **Field of Classification Search** ..... 362/603,  
362/606-609, 617-621, 623-628  
See application file for complete search history.

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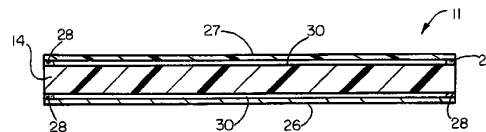
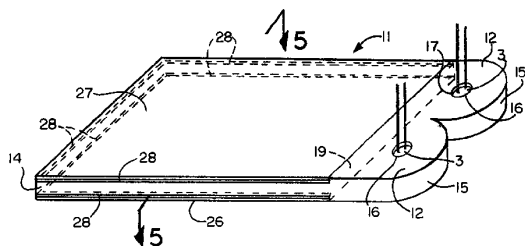
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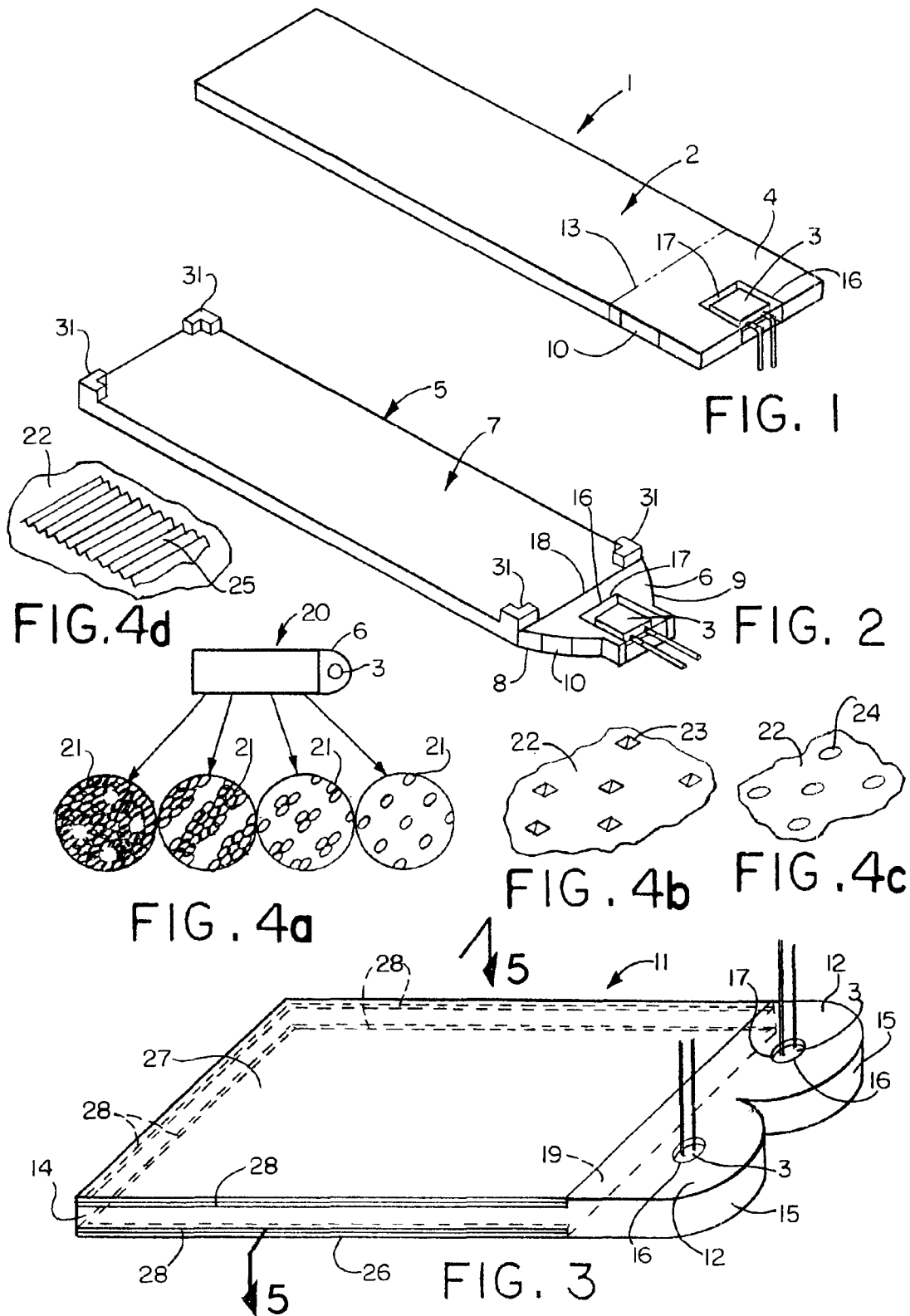
(57) **ABSTRACT**

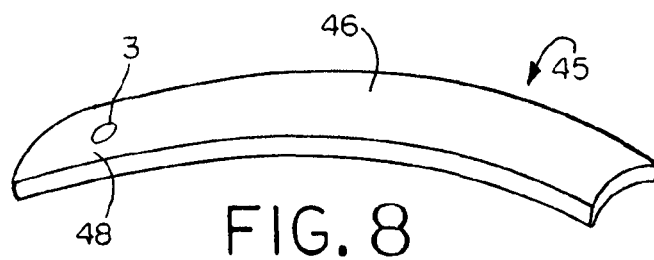
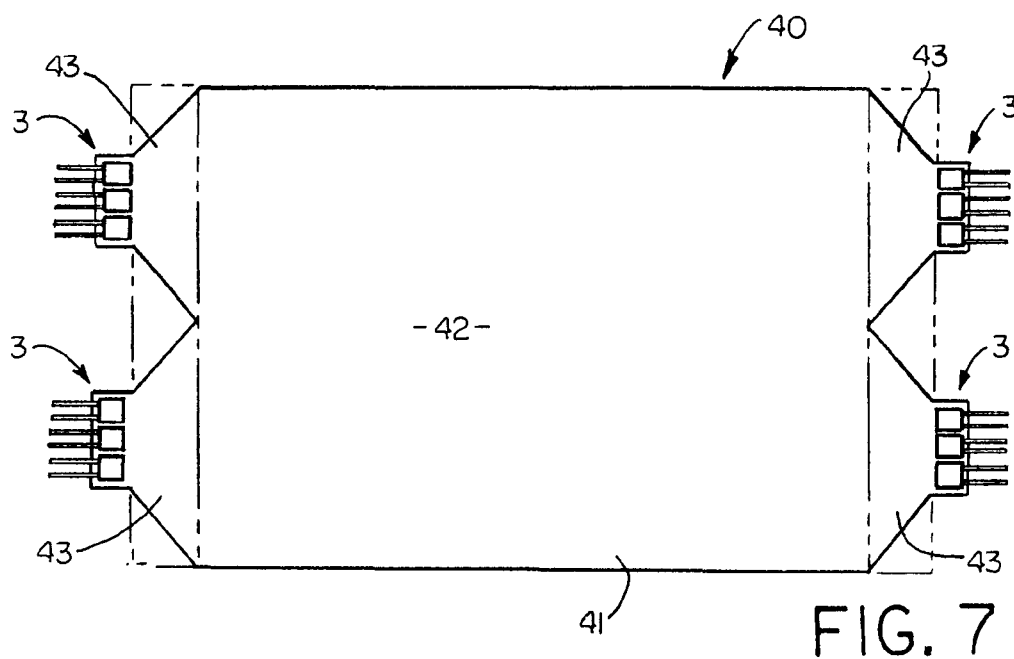
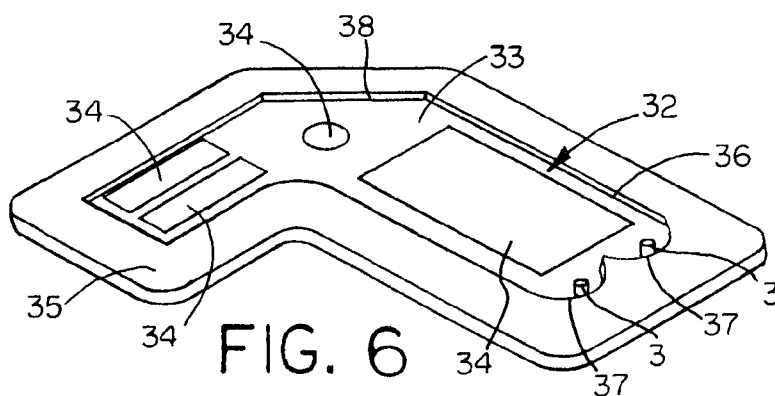
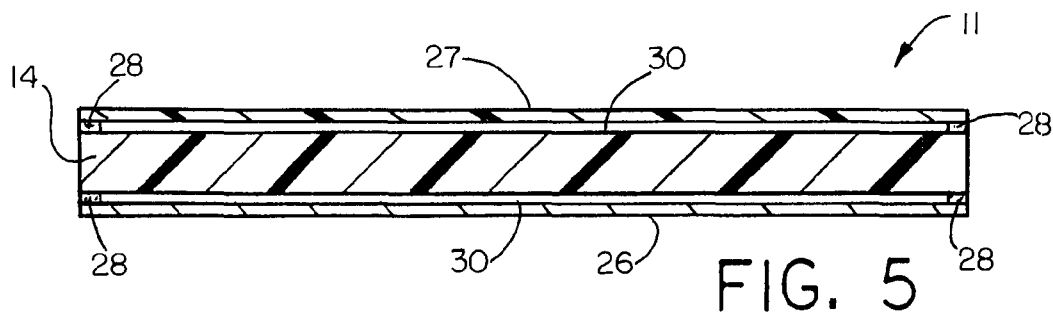
Light emitting panel assemblies include an optical panel member having a pattern of light extracting deformities on or in one or both sides to cause light to be emitted in a predetermined output distribution. The pattern of light extracting deformities on or in one side may have two or more different types or shapes of deformities and at least one of the types or shapes may vary along the length or width of the panel member. Where the light extracting deformities are on or in both sides, at least some of the deformities on or in one side may be of a different type or shape or vary in a different way or manner than the deformities on or in the other side.

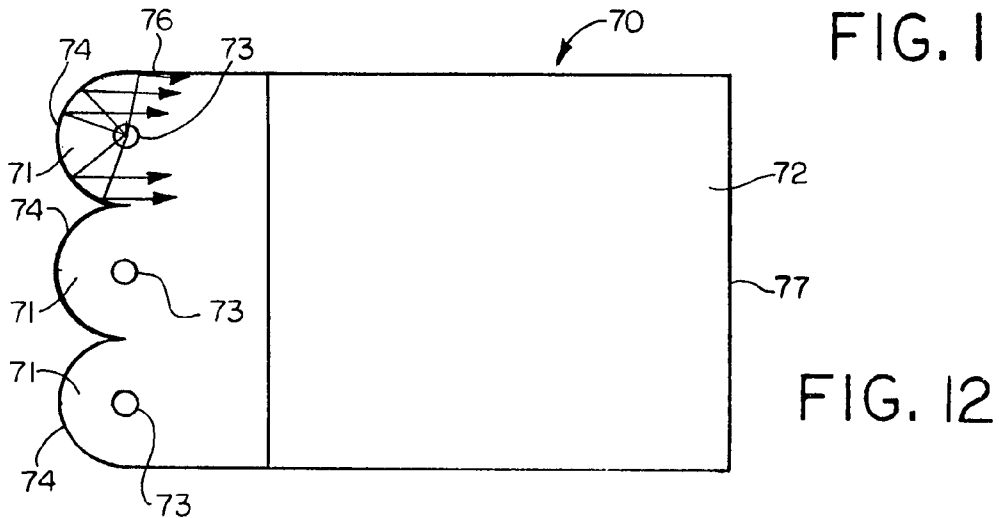
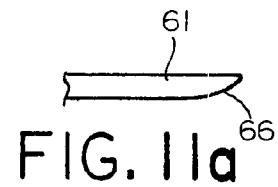
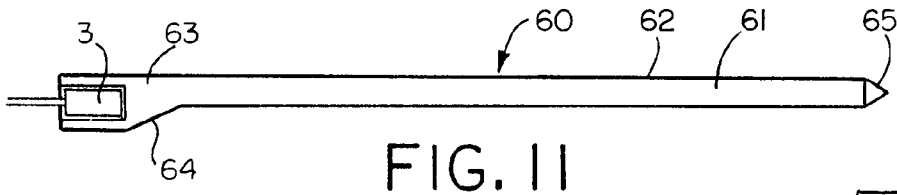
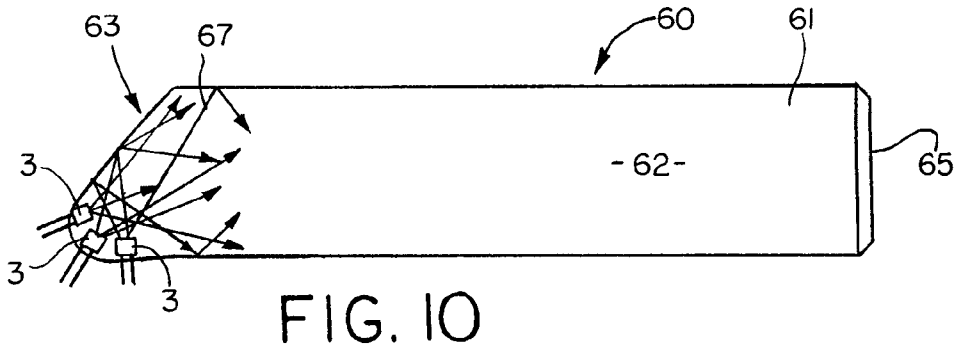
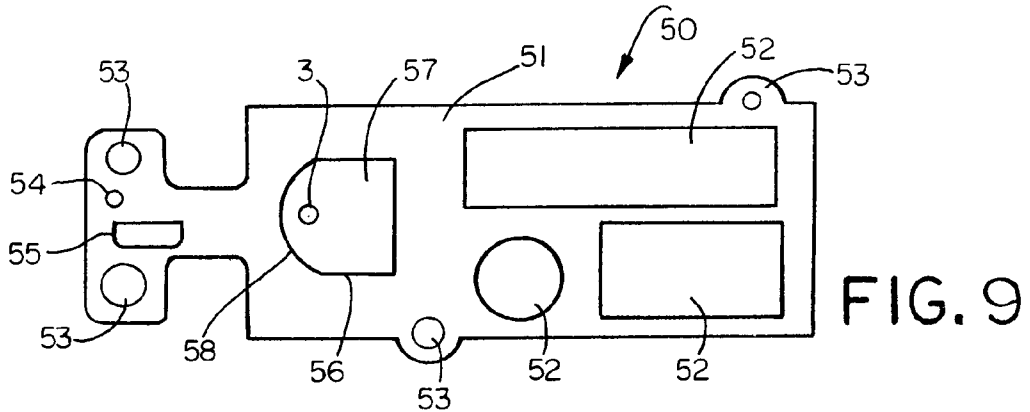
**48 Claims, 4 Drawing Sheets**



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