United States Patent [19]

Murata et al.

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- [11] Patent Number: 4,929,866
- [45] Date of Patent: May 29, 1990

[54]	LIGHT EMITTING DIODE LAMP		
[75]	Inventors:	Hiroaki Murata; Teruhisa Inomata; Masatoshi Tabira, all of Itamishi, Japan	
[73]	Assignee:	Mitsubishi Cable Industries, Ltd., Amagasaki, Japan	
[21]	Appl. No.:	267,852	
[22]	Filed:	Nov. 7, 1988	
[30]	Foreigr	Application Priority Data	
	-] Japan 62-290139] Japan 62-336314	

- [51] Int. Cl.⁵ H01J 5/16; G09F 13/18
- 313/116; 362/297; 362/310; 362/362

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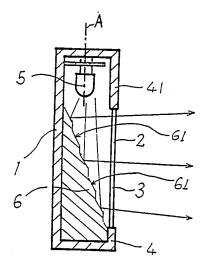
[56]

Primary Examiner—Kenneth Wieder Attorney, Agent, or Firm—Armstrong, Nikaido, Marmelstein, Kubovcik & Murray

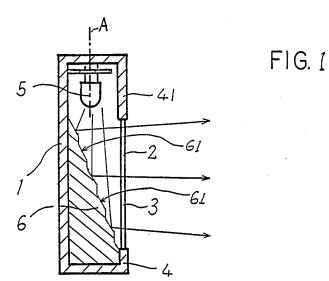
[57] ABSTRACT

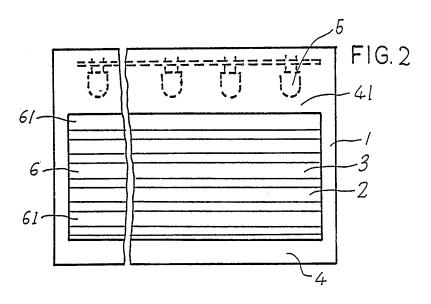
It is disclosed a light emitting diode lamp composing a window through which light is released forwardly, a plurality of light emitting diodes located at a corner of the window or behind the frame of the window, and a light reflector having a plurality of light reflecting faces whereby light emitted from the light emitting diodes is reflected toward the window. The lamp is suited as an automobile lamp, especially as a tail lamp.

7 Claims, 4 Drawing Sheets



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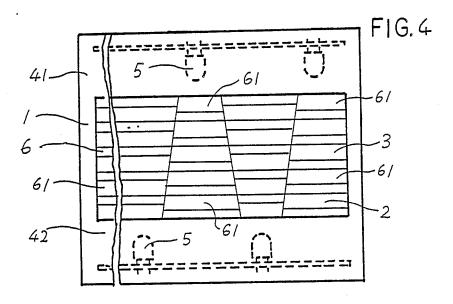
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FIG. 3

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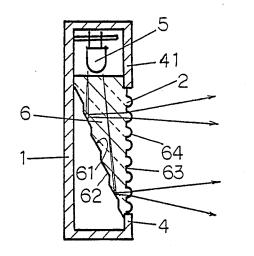
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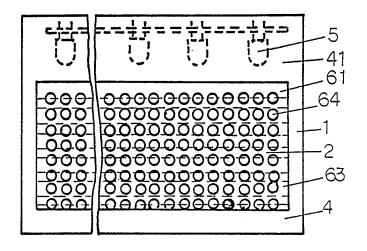
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FIG.6



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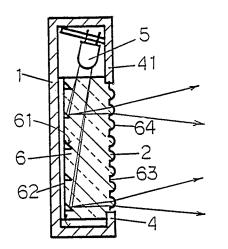
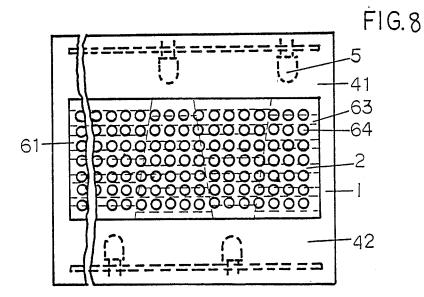


FIG.7



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