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Lamp reflector and a lamp arrangement including the lamp reflector.

(57)

A lamp reflector (11) has a reflective surface (14) which is part ellipsoidal (region 15) and part spherical (regions 16, 16'). The part spherical regions distribute light from a transversely mounted arc lamp (12) into zones which would otherwise be masked by the end portions (P, P') of, and or end mountings for, the transversely mounted lamp (12). In the case of a reflector for use in conjunction with a double-ended discharge lamp there are two spherical regions arranged to either side of a plane through the longitudinal axis X of the reflector.

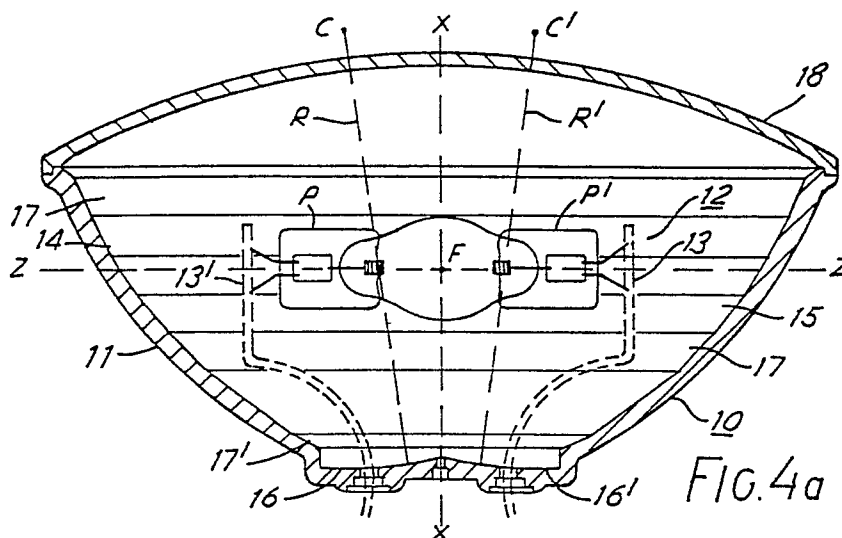


FIG. 4a

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| A | GB-A-2 123 942 (H. HUBBELL) * Whole document * --- | 1-4 | F 21 V 7/09 |
| A | EP-A-0 091 797 (KOITO-KOGYO et al.) * Whole document * --- | 1,5,6,9 ,13,14 | |
| A | US-A-4 473 872 (PUCKETT et al.) * Whole document * --- | 1,5,6,8 ,9,13- 15,18 | |
| A | DE-A-3 319 562 (JENOPTIK) * Whole document * ----- | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.4) |
| | | | F 21 V F 21 M |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 22-11-1989 | Examiner SCOTTI F. |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |