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54 **Electrode alignment and capsule design for single-ended low wattage metal halide lamps.**

57 A low wattage single-ended metal halide arc discharge lamp has an isothermal arc chamber with an outer diameter (t) substantially equal to the product of a first constant and the lamp wattage plus a second constant; a fill gas and a pair of electrical conductors sealed into and passing through one end of the arc chamber to provide a pair of electrodes therein having a spacing therebetween of a distance to provide a substantially uniform current for lamps in the range of about 35 to 150 watts.

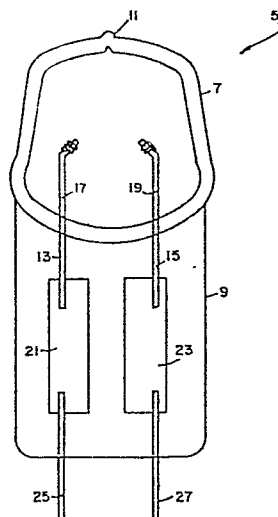


FIG. 1



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EUROPEAN SEARCH REPORT

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EP 85 10 3698

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)
D, A	GB-A-2 072 413 (GTE PRODUCTS CO.) * Page 1, lines 72-125; figures 1, 2 *	1	H 01 J 61/30 H 01 J 61/82 H 01 J 61/073
A	--- GB-A-2 126 415 (PATENTS-TREUHAND GmbH) * Page 2, line 53 - page 3, line 26; figures 1-3 *	1	
A	--- US-A-4 415 829 (H.L. ROTHWELL et al.) * Whole document *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			H 01 J 61/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23-10-1986	Examiner SARNEEL A.P.T.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			