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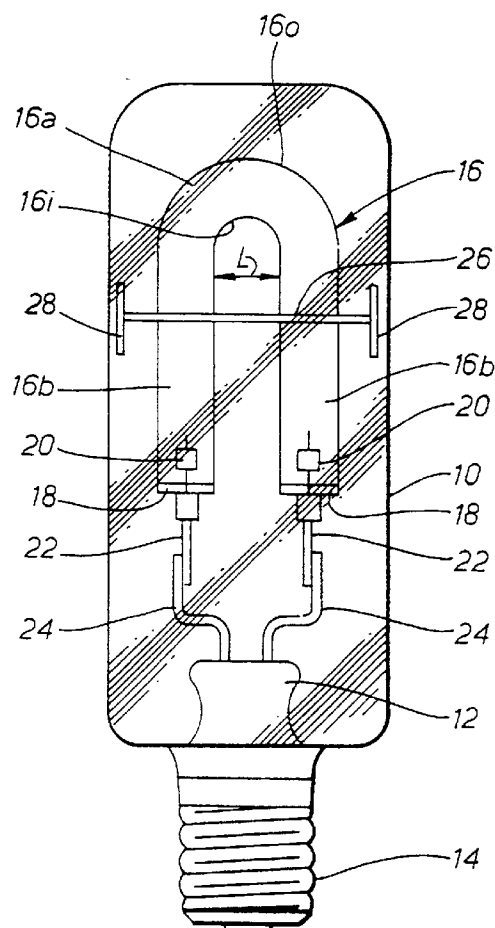
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(54) **Metal vapor discharge lamp.**

(57) A metal vapor discharge lamp including a hermetically sealed bent-shape bulb (16) made of translucent ceramic material, a pair of electrodes (20, 20) mounted in the bulb (16) through both ends of the bulb (16) end metal vapor filled in the bulb, wherein the bulb (16) has a wall load $A \text{ W/cm}^2$ and an inner bulb diameter $D_i \text{ mm}$ which satisfy the following two relations ;

$$12 \leq A \leq 30, \text{ and} \\ D_i \leq -0,5 \times A + 18.5.$$

FIG. 1





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EUROPEAN SEARCH REPORT

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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.5)
Y	PATENT ABSTRACTS OF JAPAN vol. 7, no. 258 (E-211)(1403) 17 November 1983 & JP-A-58 145 054 (MITSUBISHI DENKI K.K.) 29 August 1983	1	H01J61/30 H01J61/82
A	* abstract * ---	2	
Y	PATENT ABSTRACTS OF JAPAN vol. 7, no. 111 (E-175)(1256) 14 May 1983 & JP-A-58 032 350 (HITACHI SEISAKUSHO K.K.) 25 February 1983 * abstract *	1	
P,X	EP-A-0 415 398 (TOSHIBA LIGHTING & TECHNOLOGY CORPORATION) * abstract; figure 5 * * column 1, line 1 - column 2, line 32 * * column 6, line 52 * * column 7, line 13 - column 9, line 34 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 JUNE 1992	Examiner MARTIN Y VICENTE M.
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			

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