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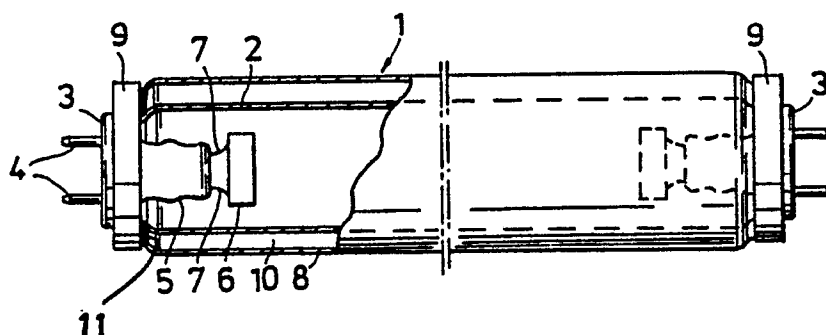
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S-371 23 Karlskrona(SE)(43) Date of publication of application:
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S-371 63 Lyckeby(SE)(84) Designated Contracting States:
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23.01.91 Bulletin 91/04(74) Representative: **Erixon, Bo et al**
Kooperativa Förbundet (KF) Patent
Department Box 15200
S-104 65 Stockholm(SE)(54) **A low pressure gas discharge lamp.**

(57) By enveloping a gas discharge lamp, such as a fluorescent tube (2), in an outer glass tube (8), the discharge chamber of the fluorescent tube (2) is thermally insulated. This enables a sufficiently high temperature to be maintained in the fluorescent tube (2) for, e.g., mercury in the discharge chamber to be brought to a partial pressure at which good illuminating efficiency is obtained even at very low ambient temperatures around the lamp. The tubular envelope (8) is fixated at its ends to the fluorescent tube (2), in

some suitable manner such as to surround the fluorescent tube and define a tubular space (10) of constant uniform width between the fluorescent tube and the surrounding envelope. In order to provide a lamp which will ignite readily, the occurrence of space charges between the fluorescent tube (2) and the outer tube (8) has been eliminated, by the provision of siloxane seals (11) between the inner fluorescent tube and the tubular envelope, at the respective ends thereof.

Fig. 1



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EUROPEAN SEARCH REPORT

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EP 89 85 0075

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	US-A-4 710 679 (BUDINGER ET AL.) * abstract; figures ** column 1, lines 50 - 68 ** column 2, lines 45 - 47 ** column 2, lines 60 - 68 * - - -	1,3-5	H 01 J 61/34 H 01 J 61/36
Y	PATENT ABSTRACTS OF JAPAN vol. 9, no. 85 (E-308)(1808) 13 April 1985, & JP-A-59 217939 (HITACHI SEISAKUSHO K.K.) 8 December 1984, * the whole document * - - -	1,3,7	
Y,A	US-A-3 358 167 (SHANKS) * abstract ** column 1, line 64 - column 2, line 10 @ column 2, lines 40 - 47 @ column 3, lines 19 - 22 @ column 3, lines 30 - 36 ** column 3, lines 44 - 45 * - - -	1,2,3	
Y,A	US-A-3 179 792 (WEISS) * column 1, lines 32 - 58; figures 2, 3 * - - -	1,3,2,6	
Y	FR-A-2 373 584 (GENERAL ELECTRIC COMPANY) * page 1, line 1 - page 2, line 3 ** page 5, line 37 ** page 6, lines 7 - 8 * - - -	1,3-5,7	
Y	US-A-4 221 693 (GETSON ET AL.) * abstract ** column 7, lines 20 - 28 * - - - - -	1,4,5,7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) H 01 J
Place of search		Date of completion of search	Examiner
The Hague		27 November 90	MARTIN Y VICENTE M.A
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			