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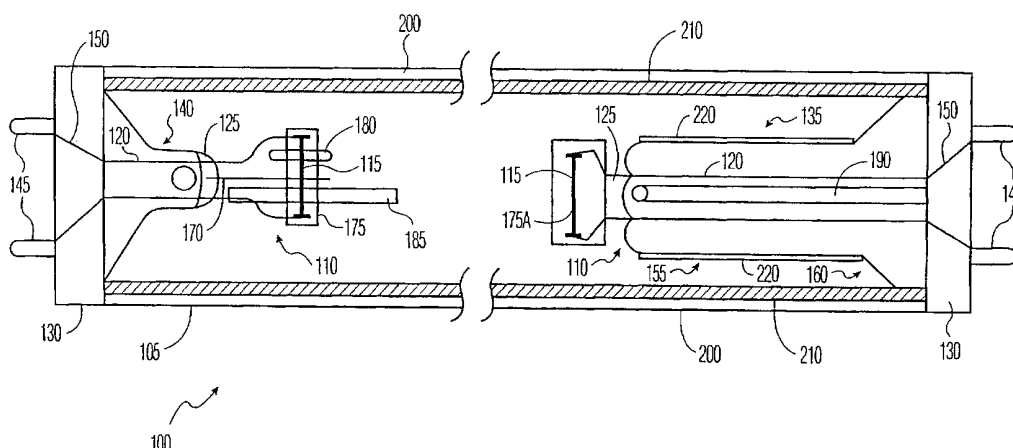
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VERY HIGH OUTPUT LOW PRESSURE DISCHARGE LAMP



(57) Abstract: An electric lamp (100) has an envelope (105) with an inner surface and two electrodes (115) located at ends of the electric lamp. The electrodes generate ultraviolet radiation in the envelope which is filled with mercury and a charge sustaining gas. The inner surface of the envelope is pre-coated with an aluminum oxide layer (200) to reflect ultraviolet radiation back into the envelope. A tri-phosphor layer (210) is formed over the aluminum oxide to convert the ultraviolet radiation to visible light. The tri-phosphor layer has yttrium oxide, cerium magnesium aluminate, and barium-magnesium aluminate. One of the electrodes is mounted on a short mount (140) along with a mercury capsule (180), while the other electrode is mounted on a long mount (135). The long mount has a horizontal portion (155) and a flared portion (160) which is near the lamp end. The horizontal portion is coated with a layer (220) of aluminum oxide to reduce mercury consumption.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J61/44 H01J61/42 H01J61/067 H01J61/35

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 344 (E-797), 3 August 1989 (1989-08-03) & JP 01 102845 A (MATSUSHITA ELECTRON CORP), 20 April 1989 (1989-04-20) abstract	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

International Application No
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Inter. Appl. No.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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