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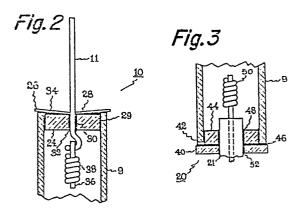
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64 Ceramic seal for high pressure sodium vapor lamps.

(57) Improved ceramic seals for both ends of a tubular light transmitting ceramic envelope used in sodium vapor lamps are disclosed to provide a more reliable hermetic seal. One end closure comprises a ceramic plug (24) inserted into one end of the light transmitting envelope (9) and being hermetically sealed to the inner wall of said envelope with ceramic sealing frit, said ceramic plug having a central opening through which extends one thermionic electrode inlead (11) which is hermetically sealed at said opening with ceramic sealing frit, and having a transverse metal cross piece (26) joined to said inlead (11). The remaining end closure comprises a ceramic disc (40) having a larger diameter than the inner diameter of said light transmitting envelope (9) which is hermetically sealed with ceramic sealing frit to the end of said light transmitting envelope as well as to the surface (42) of a ceramic plug inserted into the end of said light transmitting envelope, with both said ceramic disc and ceramic plug having central openings through which extends an inlead and exhaust tube member for the remaining thermionic electrode and which is hermetically sealed at the central opening of said ceramic plug with ceramic sealing frit.





EUROPEAN SEARCH REPORT

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EP 83 10 7334

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document w	ith indication, where appropria evant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci ³)
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Y	US-A-3 866 280 *The whole docu	 (BARAKITIS) ment*		1-6	
					TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
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	The present search report has b	een drawn un for all alaim-			
Place of search Date of complet		Date of completion of the 20-07-198	search 34	SARNE	Examiner EL A.P.T.
Y: part doc A: tech O: non	CATEGORY OF CITED DOCU icularly relevant if taken alone icularly relevant if combined w ument of the same category inological background -written disclosure rmediate document	E : ea af ith another D : dc L : dc	rifier patent of ter the filing ocument cite ocument cite	iple underly locument, b date d in the app d for other r	ring the invention out published on, or