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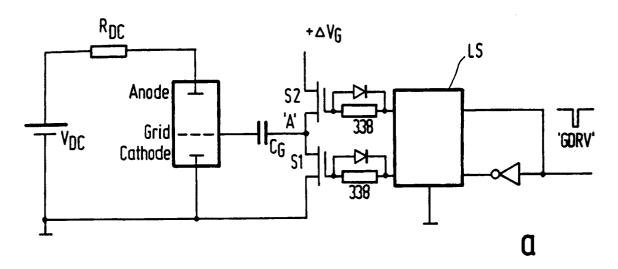
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⁵⁴ Grid controlled gas discharge lamp.

A low pressure gas discharge lamp (such as a fluorescent lamp) which includes a wire mesh grid (32) disposed within the lamp envelope (10) so as to intercept the electrons flowing between the lamp electrodes. A lead wire (38) extends from the grid (32) to the outside of the lamp envelope (10), when the grid (32) is provided with a negative voltage with respect to the surrounding plasma the lamp may be switched off. The grid controlled lamp eliminates the

need for a solid state power switch in the lamp driving circuitry. As such, the lamp current flows only through the lamp not through the electronic ballast/lamp driving circuitry. With the lamp current removed from the ballast circuitry, power dissipation problems in the driver circuitry are eliminated. The grid controlled lamp design greatly facilitates circuit design.





EUROPEAN SEARCH REPORT

Application Number EP 91 20 3345

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with inc of relevant pass		Relevant to claim	CLASSIFICATION OF THI APPLICATION (Int. Cl.5)
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A	EP-A-0 115 444 (GTE) * page 3; figures 1,		1,4	
				TECHNICAL FIELDS SEARCHED (Int. Cl.5)
				H01J
	The present search report has been Place of search	Date of completion of the search		Examiner
THE HAGUE		20 OCTOBER 1992		HULNE S.L.
X : part Y : part doc: A : tech O : non	CATEGORY OF CITED DOCUMEN' cicularly relevant if taken alone icularly relevant if combined with anoth ument of the same category inological background -written disclosure rmediate document	E : earlier patent do after the filing di her D : document cited i L : document cited fo	cument, but pub ate n the applicatio or other reasons	nished on, or