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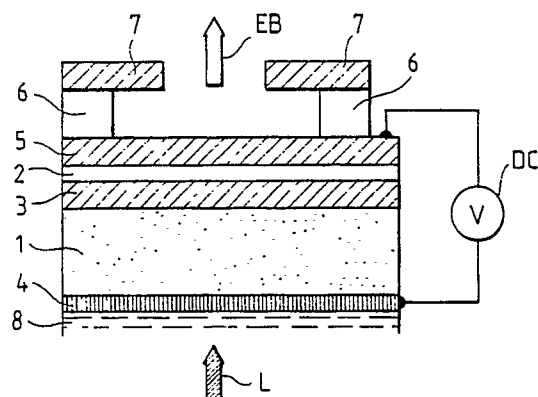
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(54) **Electron emitter.**

(57) An electron emitting device, comprising; a first electrode (4) provided on a substrate; a first layer (1) provided on said electrode and capable of undergoing transition from an electrically high resistance state to a low resistance state when irradiated by a radiant ray (L); and a conductive layer (3), an insulating layer (2) and further a second electrode (5), laminated on said first layer, and an electron generator, comprising the electron emitting device, means for applying an electric field to said device, and means for irradiating a radiant ray on the device, and also a method for driving the electron emitting device are provided.

FIG. 1



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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.4)
X	US-A-3921031 (DUBOIS ET AL.) * column 3, line 19 - column 10, line 47; figures 1, 11 * * column 9, line 12 - column 10, line 19; claims 1, 2 *	1-5, 11-15	H01J1/30
Y	---	2, 14	
X	US-A-3735186 (KLOPPER ET AL.) * column 3, line 42 - column 4, line 10; figure 7 *	1, 12, 15	
Y		2, 14	
A		3, 13, 16	
A	US-A-4005465 (MILLER) * abstract; figure *	6	
A	EP-A-41119 (IBM) * page 7, paragraph 3 - page 8, paragraph 2; figure 6 *	1, 6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H01J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 JUNE 1990	Examiner SCHAUB G. G.
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			