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(54) Title: IMAGE CAPTURE DEVICE

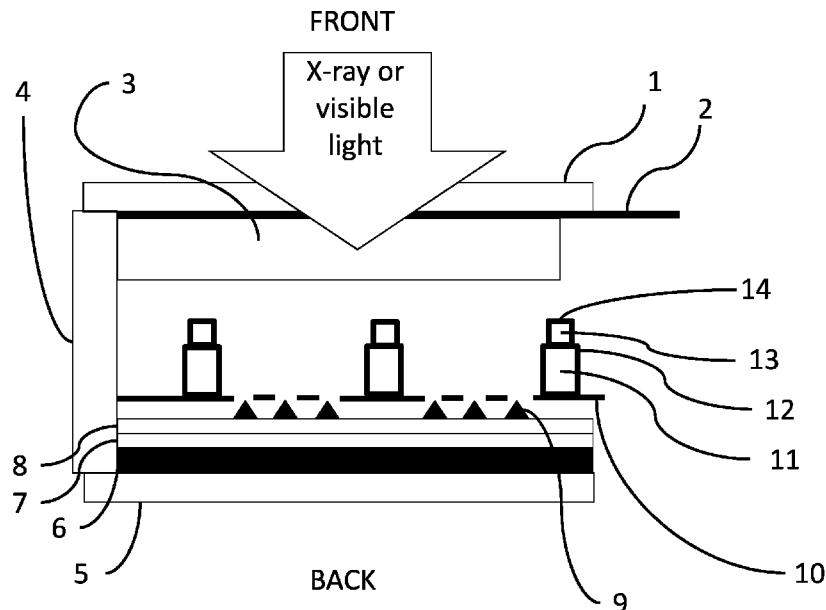
[Continued on next page]

Figure 4

(57) **Abstract:** An image capture device and an x-ray emitting device are introduced comprising an electron receiving construct and an electron emitting construct separated by a spacer. The electron receiving construct comprises a faceplate, an anode and an inward facing photoconductor. The electron emitting construct comprises: a backplate; a substrate; a cathode; a plurality of field emission type electron sources arranged in an array; a stratified resistive layer between the field emission type electron source and the cathode; a gate electrode; a focus structure and a gate electrode support structure configured to support the gate electrode at a required cathode-gate spacing from the cathode.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC (2013.01) H01J, H01L, G03G

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

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Databases consulted: THOMSON INNOVATION, Esp@cenet

Search terms used: Field emission, electron source, image, multilayer, resistive layer, cathode, anode, barrier.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	Entire document	2-18,22-25
X	US 2007/0235772 A1 Jin et.al. 11 Oct 2007 (2007/10/11) Entire document	26-28,32
Y	Entire document	29-31,33-65
Y	US 5587623 A Jones 24 Dec 1996 (1996/12/24) Entire document	1,2,5,8,13-18,47-56
Y	US 6013986 A Knall et.al. 11 Jan 2000 (2000/01/11) Entire document	1,2,5,13-18,23,24, 36,37,40,43

Further documents are listed in the continuation of Box C.

See patent family annex.

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“&” document member of the same patent family

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