

Title (en)
Radiation edge emitter

Title (de)
Randstrahlenstruktur

Title (fr)
Dispositif émetteur de lumière par la tranche

Publication
EP 0710050 A1 19960501 (EN)

Application
EP 95307381 A 19951017

Priority
US 33015294 A 19941027

Abstract (en)
An edge emitter (110) with a cap (112) on top of a (transparent electrode-insulating film-active film-insulating film-reflective electrode) stack (114-122) has a refractive index substantially matched to that of the active film (118). The cap (112) is thicker than the active film (118) and is made of a material with an attenuation lower than that of the active film (118) material. An emitting side surface (132) of the cap (112) is more transmissive than its other side surfaces (134-138) and its top surface (130). A significant portion of the electroluminescent radiation from the active film (118) entering the cap (112) is re-directed towards the emitting side surface (132) and thereby radiated from the edge emitter (110). <IMAGE>

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IPC 8 full level
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CPC (source: EP)
H05B 33/04 (2013.01); **H05B 33/12** (2013.01); **H05B 33/24** (2013.01)

Citation (search report)
[A] EP 0515174 A1 19921125 - WESTINGHOUSE ELECTRIC CORP [US]

Cited by
EP0748145A3; EP0794688A1; US5811931A

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DE FR GB

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