

Title (en)
THIN FILM ELECTROLUMINESCENT LAYER MATERIAL

Publication
EP 0249942 A3 19890809 (EN)

Application
EP 87108638 A 19870616

Priority
JP 14147386 A 19860619

Abstract (en)
[origin: EP0249942A2] Disclosed is a thin film electroluminescent layer of a thin film electroluminescent device comprising, as a light-emitting medium, a body of a mixture of ZnS and at least one sulfide selected from MgS, CaS, SrS and BaS. The ZnS and the selected sulfide are doped with a transition metal or rare earth element which is optically active in the matrix. This EL device has good moisture resistance and weatherability and is capable of emitting a color with a high brightness.

IPC 1-7
H05B 33/14; C09K 11/84; C09K 11/61; C09K 11/56

IPC 8 full level
C09K 11/00 (2006.01); **C09K 11/56** (2006.01); **H05B 33/12** (2006.01); **H05B 33/14** (2006.01); **H05B 33/18** (2006.01)

CPC (source: EP)
H05B 33/145 (2013.01); **H05B 33/18** (2013.01)

Citation (search report)

- [X] GB 1469230 A 19770406 - SECR DEFENCE
- [AP] EP 0209668 A2 19870128 - SHARP KK [JP]
- [AP] DE 3633311 A1 19870402 - RICOH KK [JP]

Cited by
EP0298745A3; US7538483B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0249942 A2 19871223; **EP 0249942 A3 19890809**; FI 872713 A0 19870617; FI 872713 A 19871220; JP S63995 A 19880105

DOCDB simple family (application)
EP 87108638 A 19870616; FI 872713 A 19870617; JP 14147386 A 19860619