

Title (en)
A thin film electroluminescent display device.

Title (de)
Dünnschicht-Elektrolumineszenzanzeige.

Title (fr)
Dispositif d'affichage électroluminescent à film mince.

Publication
EP 0140246 A1 19850508 (EN)

Application
EP 84112241 A 19841011

Priority
US 54022383 A 19831011

Abstract (en)
A thin film electroluminescent display device comprising a transparent electrode layer, a segmented electrode layer, an electroluminescent phosphor layer between the electrode layers, and an improved dark field material disposed as a layer between the phosphor and segmented electrode layers. The improved dark field layer is of a composition of a dielectric material, such as the preferred magnesium oxide, and a noble metal, which in the preferred version is gold. These materials comprising the dark field composition may be co-evaporated by an electron beam evaporation or other suitable deposition technique. The composition of dark field material provides for contrast enhancement is non-toxic, and is readily analyzable.

IPC 1-7
H05B 33/22

IPC 8 full level
H05B 33/22 (2006.01)

CPC (source: EP)
H05B 33/22 (2013.01)

Citation (search report)

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- GB 2109161 A 19830525 - SHARP KK
- DE 3114199 A1 19820325 - LOHJA AB OY [FI]
- US 4312915 A 19820126 - FAN JOHN C C
- US 3560784 A 19710202 - STEELE GORDON N, et al
- Thin Solid Films, Vol. 89, No. 2, March 12, 1982, Elsevier Sequoia, Netherlands S. BERTHIER "Optical Properties of Au-MgO Cermet Thin Films: Percolation Threshold and Grain Size Effect" pages 213-220 * totality *
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Designated contracting state (EPC)
BE DE FR GB NL

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