

Title (en)

Electroluminescent display device using amorphous hydrogenated and carbonated silicon.

Title (de)

Elektrolumineszenzanzeige mit amorphem hydriertem und karboniertem Silizium.

Title (fr)

Dispositif d'affichage électroluminescent utilisant du silicium amorphe hydrogéné et carboné.

Publication

**EP 0270392 A1 19880608 (FR)**

Application

**EP 87402320 A 19871016**

Priority

FR 8614715 A 19861023

Abstract (en)

[origin: US4877995A] An electroluminescent display device uses a photoconductive material which is of hydrogenated and carbonated amorphous silicon of formula  $a\text{-Si}_x\text{C}_{1-x}$ ; with  $1-x$  preferably between 0.05 and 0.50 and which has application to display functions.

Abstract (fr)

Dispositif d'affichage électroluminescent utilisant un matériau photoconducteur. Le matériau photoconducteur est du silicium amorphe hydrogéné et carboné de formule  $a\text{-Si}_x\text{C}_{1-x}\text{:H}$  avec  $1-x$  compris de préférence entre 0,05 et 0,50. Application à l'affichage.

IPC 1-7

**H05B 33/12**

IPC 8 full level

**G09F 9/30** (2006.01); **H05B 33/12** (2006.01)

CPC (source: EP US)

**H05B 33/12** (2013.01 - EP US)

Citation (search report)

- [YD] WO 8603871 A1 19860703 - THIOULOUSE PASCAL
- [YD] PHILOSOPHICAL MAGAZINE B, vol. 51, no. 6, 1985, pages 581-589, FR; M.P. SCHMIDT et al.: "Influence of carbon incorporation in amorphous hydrogenated silicon"

Cited by

GB2350926A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**FR 2605777 A1 19880429; FR 2605777 B1 19890217**; DE 3767456 D1 19910221; EP 0270392 A1 19880608; EP 0270392 B1 19910116; JP S63170895 A 19880714; US 4877995 A 19891031

DOCDB simple family (application)

**FR 8614715 A 19861023**; DE 3767456 T 19871016; EP 87402320 A 19871016; JP 26667687 A 19871023; US 11011687 A 19871019