

Title (en)
CATHODE STRUCTURE FOR AN EMISSION DISPLAY

Title (de)
KATHODENSTRUKTUR FÜR EINEN BILDSCHIRM

Title (fr)
STRUCTURE DE CATHODE POUR ECRAN EMISSIF

Publication
EP 1476888 B1 20100630 (FR)

Application
EP 03717409 A 20030218

Priority
• FR 0300530 W 20030218
• FR 0202075 A 20020219

Abstract (en)
[origin: WO03071571A1] The invention concerns a triode-type cathode structure comprising, superimposed, an electrode forming a cathode (13) and supporting means made of layered electron emitting material (14), an electrical insulation layer (11) and a gate electrode (15), an aperture (12) arranged in the gate electrode and in the electrical insulation (11) exposing the means made of electron emitting material. The means made of electron emitting material (14) are located in the central part of the aperture of the gate electrode (15), said aperture being in the form of a slot and the means made of electron emitting material means which are exposed through the slot are made up of elements which are aligned according to the longitudinal axis of the slot.

IPC 8 full level
H01J 1/304 (2006.01); **H01J 3/02** (2006.01)

CPC (source: EP KR US)
H01J 1/304 (2013.01 - KR); **H01J 3/022** (2013.01 - EP KR US); **H01J 2201/30469** (2013.01 - KR)

Citation (examination)
• JP 2001043792 A 20010216 - FUTABA DENSHI KOGYO KK
• JP H07249368 A 19950926 - FUTABA DENSHI KOGYO KK, et al
• JP 2001101966 A 20010413 - SHARP KK

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03071571 A1 20030828; WO 03071571 A8 20040429; AT E472820 T1 20100715; CN 1316533 C 20070516; CN 1552084 A 20041201; DE 60333168 D1 20100812; EP 1476888 A1 20041117; EP 1476888 B1 20100630; FR 2836279 A1 20030822; FR 2836279 B1 20040924; JP 2005518636 A 20050623; JP 2011103303 A 20110526; JP 5425753 B2 20140226; KR 100944731 B1 20100303; KR 20040079404 A 20040914; US 2004256969 A1 20041223; US 7759851 B2 20100720

DOCDB simple family (application)
FR 0300530 W 20030218; AT 03717409 T 20030218; CN 03800984 A 20030218; DE 60333168 T 20030218; EP 03717409 A 20030218; FR 0202075 A 20020219; JP 2003570380 A 20030218; JP 2010282102 A 20101217; KR 20047002418 A 20030218; US 48566904 A 20040315