

Title (en)

Micropoint cathode electron source and display device with cathodo-luminescence excited by field emission using same source

Title (de)

Elektronenquelle mit Mikropunktkathoden und Anzeigevorrichtung mit Kathodolumineszenz erregt durch Feldemission unter Anwendung dieser Quelle

Title (fr)

Source d'électrons à cathodes émissives à micropointes et dispositif de visualisation par cathodoluminescence excitée par émission de champ utilisant cette source

Publication

EP 0558393 B1 19980513 (FR)

Application

EP 93400449 A 19930222

Priority

FR 9202220 A 19920226

Abstract (en)

[origin: EP0558393A1] The source comprises a series of electrodes (5) acting as cathodic conductors and carrying micropoints (12) and a series of electrodes (10g) acting as grids, each of the electrodes of one of the series being in contact with a resistive layer (7) and possessing a lattice structure, thereby including tracks (5a) which cross over and delimit first openings (6), each of the electrodes of the other series including second openings (11) offset with respect to the first ones. <IMAGE>

IPC 1-7

H01J 31/12; **H01J 9/02**

IPC 8 full level

H01J 29/46 (2006.01); **H01J 1/304** (2006.01); **H01J 3/02** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP KR US)

H01J 1/16 (2013.01 - KR); **H01J 3/022** (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US); **H01J 2201/319** (2013.01 - EP US)

Cited by

EP0712147A1; EP0713236A1; EP0827176A3; EP0675519A1; FR2710781A1; EP0712146A1; FR2726688A1; FR2828956A1; FR2756969A1; US6133690A; FR2726689A1; US5836796A; EP0671755A1; FR2717304A1; US6043592A; WO9825291A1; EP0707237A1

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CH DE GB IT LI NL

DOCDB simple family (publication)

EP 0558393 A1 19930901; **EP 0558393 B1 19980513**; CA 2089986 A1 19930827; DE 69318444 D1 19980618; DE 69318444 T2 19981203; FR 2687839 A1 19930827; FR 2687839 B1 19940408; JP H0684478 A 19940325; KR 930018613 A 19930922; TW 386234 B 20000401; US 5534744 A 19960709

DOCDB simple family (application)

EP 93400449 A 19930222; CA 2089986 A 19930219; DE 69318444 T 19930222; FR 9202220 A 19920226; JP 3571293 A 19930224; KR 930002653 A 19930225; TW 82101267 A 19930223; US 33752894 A 19941108