

Title (en)

Cathodoluminescent screen comprising a matrix electron source

Title (de)

Kathodolumineszenzschirm mit Matrixelektronenquelle

Title (fr)

Ecran cathodoluminescent comprenant une source matricielle d'électrons

Publication

EP 0557191 B1 19960501 (FR)

Application

EP 93400399 A 19930217

Priority

FR 9202043 A 19920221

Abstract (en)

[origin: EP0557191A1] The source comprises columns (4) emitting electrons and rows (6) of which the potential develops up to a positive value VI. The screen also comprises at least one supplementary column (24) common to all the rows, means (28) for carrying this supplementary column to a negative potential such that, irrespective of the potential of the rows which it crosses over, electrons may be emitted in the crossover zones, at least one supplementary anode (26) facing the supplementary column and means (30) for carrying this supplementary anode to a positive potential lower than VI. Each row is controlled by a single output transistor (32) which, when the latter is on, carries the line to VI and which, when off, disconnects the line from the voltage source VI. Application to microtip screens. <IMAGE>

IPC 1-7

H01J 31/12

IPC 8 full level

G09G 3/30 (2006.01); **H01J 29/08** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP US)

H01J 29/085 (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US)

Cited by

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EP 0557191 A1 19930825; **EP 0557191 B1 19960501**; DE 69302421 D1 19960605; DE 69302421 T2 19961107; FR 2687841 A1 19930827; FR 2687841 B1 19940408; JP H0683285 A 19940325; US 5394066 A 19950228

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