

Title (en)
FIELD EMITTER ARRAY WITH ENHANCED PERFORMANCE

Title (de)
FELDEMISSIONSANORDNUNG

Title (fr)
CATHODE A EFFET DE CHAMP A PERFORMANCES ACCRUES

Publication
EP 1153408 B1 20051214 (FR)

Application
EP 00905117 A 20000211

Priority
• FR 0000346 W 20000211
• FR 9901721 A 19990212

Abstract (en)
[origin: FR2789801A1] The invention concerns a field emitter array capable of microwave modulation, comprising at least an array (R) of emissive tips, means for producing a microwave modulation signal including a semiconductor element (S) controllable in microwave modulation in the proximity of the tips and a short micro-line (L) for routing the modulation signal towards the array of tips which produces an impedance adaptation between the array of tips (R) and the modulation semiconductor element (S). The invention is useful for producing a compact field emitter array.

IPC 1-7
H01J 21/10; H01J 3/02

IPC 8 full level
H01J 3/02 (2006.01); **H01J 1/304** (2006.01); **H01J 21/10** (2006.01); **H01J 23/06** (2006.01)

CPC (source: EP KR US)
H01J 1/30 (2013.01 - KR); **H01J 21/105** (2013.01 - EP US); **H01J 23/06** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
FR 2789801 A1 20000818; **FR 2789801 B1 20010427**; DE 60024784 D1 20060119; DE 60024784 T2 20060907; EP 1153408 A1 20011114; EP 1153408 B1 20051214; JP 2002536808 A 20021029; KR 20010102067 A 20011115; US 6522080 B1 20030218; WO 0048220 A1 20000817

DOCDB simple family (application)
FR 9901721 A 19990212; DE 60024784 T 20000211; EP 00905117 A 20000211; FR 0000346 W 20000211; JP 2000599054 A 20000211; KR 20017010176 A 20010811; US 92600801 A 20010813