Title (en)

AN ANODE IN A FIELD EMISSION LIGHT SOURCE AND A FIELD EMISSION LIGHT SOURCE COMPRISING THE ANODE

Title (de)

ANODE IN EINER FELDEMISSIONS-LICHTQUELLE UND FELDEMISSIONS-LICHTQUELLE MIT DER ANODE

Title (fr)

ANODE CONTENUE DANS UNE SOURCE LUMINEUSE A EMISSION DE CHAMP ET SOURCE LUMINEUSE A EMISSION DE CHAMP CONTENANT CETTE ANODE

Publication

EP 1709665 A1 20061011 (EN)

Application

EP 05704772 A 20050128

Priority

- SE 2005000106 W 20050128
- SE 0400156 A 20040129

Abstract (en)

[origin: WO2005074006A1] An anode (1) in a field emission light source (15) is disclosed. The anode (1) comprises an electrically conductive layer (3) and a luminescent layer (5) that is luminescent when excited by electron bombardment (7) caused by a potential difference (9) between the electrically conductive layer (3) and a cathode (11). Key features are that the luminescent layer (5) is arranged between the electrically conductive layer (3) and the cathode (11) and that the electrically conductive layer (3) is a transparent electrically conducting layer (3). Further, a field emission light source (15) comprising the anode (1) is also disclosed.

IPC 8 full level

H01J 61/04 (2006.01); **H01J 19/02** (2006.01); **H01J 63/02** (2006.01); **H01J 63/06** (2006.01)

IPC 8 main group level

H01J (2006.01)

CPC (source: EP)

H01J 63/02 (2013.01); **H01J 63/06** (2013.01)

Citation (search report)

See references of WO 2005074006A1

Citation (examination)

- US 6322712 B1 20011127 - HANSON ROBERT J [US], et al
- US 6008575 A 19991228 - KAFTANOV VITALY SERGEEVICH [RU], et al

Cited by

US10319553B2; EP3035368A1; EP3511974A1; EP3096341A1; WO2016184828A1; US10475616B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005074006 A1 20050811; CN 102522317 A 20120627; CN 1922712 A 20070228; EP 1709665 A1 20061011; SE 0400156 D0 20040129

DOCDB simple family (application)

SE 2005000106 W 20050128; CN 200580003494 A 20050128; CN 201110402625 A 20050128; EP 05704772 A 20050128; SE 0400156 A 20040129