

Title (en)
METHOD FOR MAKING AN EMISSIVE CATHODE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER EMISSIONSKATHODE

Title (fr)
PROCEDE DE FABRICATION D'UNE CATHODE EMISSIVE

Publication
EP 1885649 A2 20080213 (FR)

Application
EP 06820247 A 20060529

Priority
• FR 2006050490 W 20060529
• FR 0551412 A 20050530

Abstract (en)
[origin: FR2886284A1] The method involves providing a substrate (100) comprising a surface layer (101) on one of its sides, and covering the surface layer by a catalyst layer (102) structured according to a pattern appearing on areas of the surface layer covered and not covered by the catalyst layer. The surface layer is etched in the non-covered areas. Nanostructures are selectively grown on the zones covered by the catalyst layer. Independent claims are also included for the following: (1) a device including an anode and a cathode comprising electrical independent nanostructures (2) a flat-panel field emission display comprising a cathode structure.

IPC 8 full level
B82B 3/00 (2006.01); **B82B 1/00** (2006.01); **H01J 1/304** (2006.01); **H01J 9/02** (2006.01)

CPC (source: EP US)
B82Y 10/00 (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **B82Y 40/00** (2013.01 - EP US); **C01B 32/162** (2017.07 - EP US); **D01F 9/127** (2013.01 - EP US); **H01J 1/3048** (2013.01 - EP US); **H01J 9/025** (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US); **H10K 10/464** (2023.02 - EP US); **H10K 10/481** (2023.02 - EP US); **H01J 2201/30469** (2013.01 - EP US); **H01J 2201/319** (2013.01 - EP US); **H10K 85/221** (2023.02 - EP US)

Citation (search report)
See references of WO 2007026086A2

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2886284 A1 20061201; **FR 2886284 B1 20070629**; EP 1885648 A2 20080213; EP 1885648 B1 20180829; EP 1885649 A2 20080213; JP 2008543008 A 20081127; JP 2008546146 A 20081218; JP 5247438 B2 20130724; US 2008194168 A1 20080814; US 2008197766 A1 20080821; US 7785164 B2 20100831; US 7993703 B2 20110809; WO 2007003826 A2 20070111; WO 2007003826 A3 20070412; WO 2007026086 A2 20070308; WO 2007026086 A3 20070531

DOCDB simple family (application)
FR 0551412 A 20050530; EP 06794468 A 20060529; EP 06820247 A 20060529; FR 2006050489 W 20060529; FR 2006050490 W 20060529; JP 2008514165 A 20060529; JP 2008514166 A 20060529; US 91522206 A 20060529; US 91523806 A 20060529