

Title (en)
ROTARY X-RAY ANODE

Title (de)
RÖNTGENDREHANODE

Title (fr)
ANODE TOURNANTE POUR TUBE À RAYONS X

Publication
EP 2666180 A1 20131127 (DE)

Application
EP 12709493 A 20120117

Priority
• AT 342011 U 20110119
• AT 2012000009 W 20120117

Abstract (en)
[origin: WO2012097393A1] The invention relates to a rotary X-ray anode (10), which comprises a support body (14) and a focal track (16) formed on the support body (14). The support body (14) and the focal track (16) are produced as a composite by powder metallurgy; the support body (14) is made of molybdenum or a molybdenum-based alloy and the focal track (16) is made of tungsten or a tungsten-based alloy. In the subsequently heat-treated rotary X-ray anode (10) at least a portion of the focal track (16) is present in a non-recrystallised and/or partially re-crystallised structure.

IPC 8 full level
H01J 35/10 (2006.01)

CPC (source: EP KR US)
H01J 35/101 (2013.01 - KR); **H01J 35/108** (2013.01 - EP KR US); **H01J 2235/081** (2013.01 - EP KR US); **H01J 2235/085** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2012097393A1

Cited by
US9992917B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012097393 A1 20120726; AT 12494 U1 20120615; AT 12494 U9 20120915; CN 103329239 A 20130925; CN 103329239 B 20161012; EP 2666180 A1 20131127; EP 2666180 B1 20161130; EP 3109889 A1 20161228; EP 3109889 B1 20180516; ES 2613816 T3 20170526; JP 2014506711 A 20140317; JP 5984846 B2 20160906; KR 101788907 B1 20171020; KR 20140020850 A 20140219; US 2013308758 A1 20131121; US 2016254115 A1 20160901; US 9368318 B2 20160614; US 9767983 B2 20170919

DOCDB simple family (application)
AT 2012000009 W 20120117; AT 342011 U 20110119; CN 201280005994 A 20120117; EP 12709493 A 20120117; EP 16001702 A 20120117; ES 12709493 T 20120117; JP 2013549673 A 20120117; KR 20137018946 A 20120117; US 201213980585 A 20120117; US 201615133480 A 20160420