

Title (en)
ROTATING X-RAY ANODE

Title (de)
RÖNTGENDREHANODE

Title (fr)
ANODE TOURNANTE À RAYONS X

Publication
EP 4104198 A1 20221221 (DE)

Application
EP 20804207 A 20201109

Priority
• AT 500222020 U 20200210
• EP 2020081430 W 20201109

Abstract (en)
[origin: WO2021160303A1] The invention relates to a rotating X-ray anode (10, 10', 10'') for generating X-radiation, comprising an annular main body (11, 11', 11'') made of carbon-based material, an annular focal track covering (12, 12', 12''), which is arranged on a focal track side of the main body (11, 11', 11''), and a metal connection component (13, 13', 13''), which is arranged radially inside relative to the main body. The radially outer portion of the connection component (13, 13', 13'') is formed by a tubular metal adapter (14, 14', 14''). The radial outside surface of the adapter (14, 14', 14'') is at least partly joined, face to face and integrally, to at least a portion of the radial inside surface of the main body (11, 11', 11''), the integral joining zone between the main body (11, 11', 11'') and the adapter (14, 14', 14'') extending over at least 75 percent of the area of the radial inside surface of the main body (11, 11', 11'').

IPC 8 full level
H01J 35/10 (2006.01)

CPC (source: AT EP KR US)
H01J 35/10 (2013.01 - AT); **H01J 35/101** (2013.01 - EP KR US); **H01J 35/108** (2013.01 - AT KR); **H01J 2235/086** (2013.01 - EP KR); **H01J 2235/1006** (2013.01 - EP KR); **H01J 2235/1204** (2013.01 - EP KR)

Citation (search report)
See references of WO 2021160303A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021160303 A1 20210819; AT 17122 U1 20210615; CN 115210843 A 20221018; EP 4104198 A1 20221221; JP 2023512590 A 20230327; KR 20220137918 A 20221012; US 2023154718 A1 20230518

DOCDB simple family (application)
EP 2020081430 W 20201109; AT 500222020 U 20200210; CN 202080095794 A 20201109; EP 20804207 A 20201109; JP 2022548172 A 20201109; KR 20227028899 A 20201109; US 202017798635 A 20201109