

Title (en)
ROTATING-ANODE X-RAY TUBE

Publication
EP 0151878 B1 19890802 (EN)

Application
EP 84308700 A 19841213

Priority
JP 1778784 A 19840203

Abstract (en)
[origin: EP0151878A1] Disclosed is a rotating-anode X-ray tube which comprises a housing (10), a cathode (22) and a rotating anode (26) arranged in one end side of the housing, a rotating cylinder (40) set in the other end side of the housing (10) and adapted to be rotated by an electric motor (52), the rotating cylinder (40) supporting the rotating anode (26), a magnetic bearing (60) disposed in the other end side of the housing (10) and supporting the rotating cylinder (40) uncontacted in the radial and axial directions thereof, and a shielding wall (34) for dividing the inside space of the housing (10) into a first chamber containing the cathode (22) and the rotating anode (26), and a second chamber containing the magnetic bearing (60), whereby the first chamber is thermally and electromagnetically shielded from the second chamber.

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H01J 35/10; H01J 35/16

IPC 8 full level
H01J 35/10 (2006.01); **H01J 35/16** (2006.01)

CPC (source: EP)
H01J 35/10 (2013.01); **H01J 35/103** (2013.01); **H01J 35/16** (2013.01)

Citation (examination)
• FR 2439476 A1 19800516 - PHILIPS NV [NL], et al
• FR 2338578 A1 19770812 - PHILIPS NV [NL]
• FR 2456383 A1 19801205 - PHILIPS NV [NL]

Cited by
US4964147A; CN104900468A; EP2264737A3; EP0509901A1; FR2675630A1; US5206892A; US8385505B2

Designated contracting state (EPC)
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