

Title (en)
X-RAY TUBE

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EP 0059238 B1 19860129 (DE)

Application
EP 81108428 A 19811016

Priority
DE 3107949 A 19810302

Abstract (en)
[origin: US4468802A] In an exemplary embodiment, a metallic shield for the discharge space between the cathode and the anode is connected to a potential which is greater than half the tube voltage and smaller than the entire tube voltage. What is achieved thereby is that backscatter electrons from the focal spot space are withdrawn and the anode load carrying capacity is thereby increased, and that the outside-of-focus component of the radiation is reduced as well. Moreover, a very close-to-focus definition or collimation of the cone of rays is possible. X-ray tubes according to the disclosure are particularly applicable in medical X-ray diagnostics.

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H01J 35/16

IPC 8 full level
H01J 35/16 (2006.01)

CPC (source: EP US)
H01J 35/16 (2013.01 - EP US); **H01J 2235/168** (2013.01 - EP US)

Citation (examination)
Fortschritte auf dem Gebiete der Röntgenstrahlen, Band XXXIII Heft 4, Seiten 575, 576

Cited by
EP0563367A4; DE102008020163A1; WO03065402A1

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