

Title (en)

HIGH TENSION VACUUM TUBE, PARTICULARLY X RAY TUBE

Publication

EP 0063840 B1 19851016 (DE)

Application

EP 82200452 A 19820414

Priority

DE 3116169 A 19810423

Abstract (en)

[origin: US4499592A] In high-voltage vacuum-tubes, specifically X-ray tubes, comprising an electrode (anode) which carries a positive high voltage and which is connected to a conductive part (for example the metal tube envelope) via an insulator, flashover may occur at very high temperatures. In order to preclude such flashover a shielding electrode is arranged at a small distance from the insulator and has such a shape that the electric field strength at the location where the insulator is connected to the conductive part is reduced.

IPC 1-7

H01J 35/02; H01J 1/52

IPC 8 full level

H01J 1/52 (2006.01); **H01J 35/02** (2006.01); **H01J 35/04** (2006.01); **H01J 35/16** (2006.01)

CPC (source: EP US)

H01J 1/52 (2013.01 - EP US); **H01J 35/02** (2013.01 - EP US)

Citation (examination)

Naturwissenschaften und Technik, Brockhaus 1983, 3. Band

Cited by

US9997981B2; US5402464A; DE102009025841B4; DE4241572A1; FR3069100A1; US11101097B2; WO8605921A1; WO2019011993A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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