

Title (en)
Electron gun arrangements.

Title (de)
Elektronenstrahlerzeugungsvorrichtungen.

Title (fr)
Dispositifs de canon à électron.

Publication
EP 0589606 A3 19950201 (EN)

Application
EP 93307233 A 19930914

Priority
GB 9220226 A 19920924

Abstract (en)
[origin: EP0589606A2] An electron gun arrangement which is particularly suitable for use in travelling wave tubes includes a substantially cylindrical ceramic body 20 which partly defines a vacuum envelope. The body 20 surrounds an electrode assembly constituted by cathode 21, grids 22, 23 and 24 and an anode 25. The leads to the grids and cathode are extensive in a generally longitudinal axial direction at the end of the body 20 remote from the anode 25, electrical connection being made via pins and metallised apertures extensive longitudinally through the wall of the body. The internal diameter of the body may be stepped to define ridges to which supports for parts of the electrode assembly are fixed. <IMAGE>

IPC 1-7
H01J 23/065; H01J 25/34; H01J 1/88; H01J 3/02

IPC 8 full level
H01J 3/02 (2006.01); **H01J 23/065** (2006.01)

CPC (source: EP)
H01J 3/027 (2013.01); **H01J 23/065** (2013.01)

Citation (search report)

- [XAY] FR 1500573 A 19671103 - EMI LTD
- [Y] EP 0379403 A1 19900725 - THOMSON TUBES ELECTRONIQUES [FR]
- [A] FR 1168582 A 19581210 - THOMSON HOUSTON COMP FRANCAISE
- [Y] Y. MORISHITA ET AL.: "Development of 200 W TWT's for broadcast satellites", NHK LABORATORIES NOTE, no. 306, September 1984 (1984-09-01), TOKYO JP, pages 2 - 11
- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 99 (E - 172)<1244> 27 April 1983 (1983-04-27)
- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 21 (E - 93)<899> 6 February 1982 (1982-02-06)

Cited by
US6407492B1; US10068738B2; US11737747B2; US11510669B2; WO0104924A1; WO2016002183A1; WO9854744A1; US11324502B2; US11723660B2; US11504117B2; JP5835822B1; US10603035B2; US11241228B2; US11925348B2

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 0589606 A2 19940330; **EP 0589606 A3 19950201**; GB 9220226 D0 19921104

DOCDB simple family (application)
EP 93307233 A 19930914; GB 9220226 A 19920924