

Title (en)

High power vacuum electron tube with anode cooled by forced flow circulation.

Title (de)

Hochleistungsvakuumelektronenröhre mit einer durch Zwangsdurchlauf gekühlter Anode.

Title (fr)

Tube électronique à vide de très forte puissance à anode refroidie par circulation forcée.

Publication

**EP 0684625 A1 19951129 (FR)**

Application

**EP 95401110 A 19950512**

Priority

FR 9406464 A 19940527

Abstract (en)

The triode anode structure is cylindrical. The inner section is made up of four cylindrical sections (120,140,160,180) braced together. There is an evacuation tube (24) to form a vacuum. Very small, and a large number of cooling tubes (340) are formed in the wall of the structure, running axially along the length of the tube. The tubes are rectangular shape near the inner section, and circular in other locations. Each section is precision located with guide pins (320) and matching sections are braced to form the overall structure. An outer jacket (380) surrounds the tube, through which water escapes, and there is an input for water (570). <IMAGE>

IPC 1-7

**H01J 19/36**

IPC 8 full level

**H01J 9/14** (2006.01); **H01J 7/26** (2006.01); **H01J 19/36** (2006.01); **H01J 21/06** (2006.01)

CPC (source: EP US)

**H01J 19/36** (2013.01 - EP US)

Citation (search report)

- [AD] US 3414757 A 19681203 - LEVIN MARTIN E, et al
- [A] FR 1326936 A 19630510 - SIEMENS AG
- [A] FR 1554633 A 19690124
- [A] US 3845341 A 19741029 - ADDOMS J, et al
- [AD] FR 2627898 A1 19890901 - THOMSON CSF [FR]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0684625 A1 19951129**; **EP 0684625 B1 19990210**; DE 69507740 D1 19990325; DE 69507740 T2 19990902; FR 2720550 A1 19951201; FR 2720550 B1 19961206; JP H07326292 A 19951212; US 5705881 A 19980106

DOCDB simple family (application)

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