

Title (en)  
Electron tube with a cooled tubular sheath

Title (de)  
Elektronenröhre mit einer gekühlten rohrförmigen Hülle

Title (fr)  
Tube électronique à fourreau tubulaire refroidi

Publication  
**EP 1328004 A3 20030723 (FR)**

Application  
**EP 02102726 A 20021211**

Priority  
FR 0116243 A 20011214

Abstract (en)  
[origin: FR2833749A1] The electron tube has a tubular sheath (10) in which the electron beam travels. An outer guard section (28) provides sheath mechanical maintenance. There is a resin (36) between the sheath and the guard providing thermal transfer.

IPC 1-7  
**H01J 23/00; H01J 23/033**

IPC 8 full level  
**H01J 23/00** (2006.01)

CPC (source: EP US)  
**H01J 23/005** (2013.01 - EP US)

Citation (search report)

- [A] DE 2213185 A1 19730927 - SIEMENS AG
- [A] DE 2812409 A1 19790927 - LICENTIA GMBH
- [A] DE 3433718 A1 19860327 - LICENTIA GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 003, no. 096 (E - 130) 15 August 1979 (1979-08-15)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**FR 2833749 A1 20030620; FR 2833749 B1 20040402**; EP 1328004 A2 20030716; EP 1328004 A3 20030723; US 2004004423 A1 20040108; US 6858973 B2 20050222

DOCDB simple family (application)  
**FR 0116243 A 20011214**; EP 02102726 A 20021211; US 31836202 A 20021213