

Title (en)

HEATING ELEMENT FOR INDIRECTLY HEATED CATHODES, PROCESS FOR MANUFACTURING SUCH AN ELEMENT AND INDIRECTLY HEATED CATHODE COMPRISING THE SAME

Publication

EP 0034512 A3 19820526 (FR)

Application

EP 81400096 A 19810123

Priority

FR 8003410 A 19800215

Abstract (en)

[origin: US4427916A] This heating element is constituted by a filament and a mixture, fritted at between 1700 DEG and 1800 DEG C., of alumina and less than 10% by weight of yttrium oxide. This mixture fills the space left free by the filament within the cylinder closed by an emissive disk forming the cathode.

IPC 1-7

H01J 1/24; H01J 19/18; H01J 9/08

IPC 8 full level

H01J 1/24 (2006.01)

CPC (source: EP US)

H01J 1/24 (2013.01 - EP US)

Citation (search report)

- [Y] US 3400294 A 19680903 - KLING AUGUST J
- [Y] US 3803441 A 19740409 - OHSAWA N, et al
- [A] FR 1315581 A 19630118 - SIEMENS AG
- [A] DE 1805821 A1 19700604 - TELEFUNKEN PATENT

Cited by

FR2664427A1; US6777859B1; WO0115206A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0034512 A2 19810826; **EP 0034512 A3 19820526**; FR 2476386 A1 19810821; FR 2476386 B1 19820820; US 4427916 A 19840124

DOCDB simple family (application)

EP 81400096 A 19810123; FR 8003410 A 19800215; US 23257181 A 19810209