

Title (en)

NON EVAPORABLE GETTER DEVICE INCORPORATING A CERAMIC SUPPORT AND METHOD FOR THE MANUFACTURE THEREOF

Publication

EP 0275844 B1 19930728 (EN)

Application

EP 87830452 A 19871221

Priority

IT 2280786 A 19861222

Abstract (en)

[origin: EP0275844A2] A porous non-evaporable getter device is described which comprises a ceramic support, a layer of sintered non-evaporable getter material and an intermediate electrically conducting layer at least partially diffused into the ceramic support and into the porous sintered getter layer. There also is described a method for the manufacture of such a getter device in which the ceramic support is coated with a thin conducting film on which is electrically deposited a thicker metallic layer which in turn is covered, by electrophoresis, a mixture of a non-evaporable getter material and an antisintering agent. The support is finally sintered to obtain the desired porous getter device and it is then cooled.

IPC 1-7

H01J 7/18

IPC 8 full level

B01D 53/04 (2006.01); **C04B 41/90** (2006.01); **B01J 20/02** (2006.01); **B01J 20/28** (2006.01); **C25D 13/02** (2006.01); **H01J 7/18** (2006.01); **H01J 9/39** (2006.01)

CPC (source: EP)

H01J 7/18 (2013.01)

Citation (examination)

US 3620645 A 19711116 - PORTA PAOLO DELLA, et al

Cited by

EP1100107A3; DE3923745A1; CN114318233A; DE102014203083A1; US5934964A; US2015334845A1; US9756731B2; US6735845B2; CN115185169A; US7155803B2; WO9523425A1; WO2023186704A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0275844 A2 19880727; **EP 0275844 A3 19900228**; **EP 0275844 B1 19930728**; DE 3786779 D1 19930902; DE 3786779 T2 19931118; IN 169971 B 19920118; IT 1201540 B 19890202; IT 8622807 A0 19861222; JP H0687402 B2 19941102; JP S63182283 A 19880727

DOCDB simple family (application)

EP 87830452 A 19871221; DE 3786779 T 19871221; IN 884MA1987 A 19871208; IT 2280786 A 19861222; JP 32162387 A 19871221