

Title (en)

Plugging method for ceramic honeycomb body

Title (de)

Verfahren zum Abdichten von keramischen Wabenkörpern

Title (fr)

Procédé d'obturation pour structure céramique en nid d'abeille

Publication

EP 1245360 A3 20031008 (EN)

Application

EP 02006786 A 20020325

Priority

- JP 2001088345 A 20010326
- JP 2002049695 A 20020226

Abstract (en)

[origin: EP1245360A2] This invention provides a plugging method, for a ceramic honeycomb body, that does not create clearance in plug members closing cell end portions. To produce a ceramic honeycomb body 5 having a large number of cells 55 partitioned by partitions 51 and cell end portions 50 plugged by plug members, end faces of the ceramic honeycomb body are immersed in a plug member slurry 1 while the cell end portions 50 not provided with the plug member are covered with a masking material 90, and are then dried and heated. The plug member slurry 1 contains ceramic particles, a foaming material and water or an oil solvent. <IMAGE>

IPC 1-7

B28B 11/00; **C04B 38/00**

IPC 8 full level

F01N 3/02 (2006.01); **B28B 11/00** (2006.01); **C04B 35/622** (2006.01); **C04B 41/85** (2006.01)

CPC (source: EP)

B28B 11/006 (2013.01); **B28B 11/007** (2013.01)

Citation (search report)

- [X] EP 0677498 A2 19951018 - CORNING INC [US]
- [A] US 5364573 A 19941115 - NOKY WERNER [DE]
- [A] WO 0048807 A1 20000824 - CORNING INC [US]
- [A] US 4455180 A 19840619 - HILLMAN ARTHUR E [US], et al

Cited by

EP1570893A4; DE102007000412B4; FR2855449A1; US8974722B1; US2014116600A1; CN103786867A; US9597826B2; US9333684B2; US9149999B2; US9015941B2; US8017067B2; WO2010072971A1; WO2011026056A1; WO2004052502A1; US7507460B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1245360 A2 20021002; **EP 1245360 A3 20031008**; **EP 1245360 B1 20061220**; DE 60216840 D1 20070201; DE 60216840 T2 20070830; JP 2002356386 A 20021213; JP 4019732 B2 20071212

DOCDB simple family (application)

EP 02006786 A 20020325; DE 60216840 T 20020325; JP 2002049695 A 20020226