

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

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