

Title (en)

HEAT TREATMENT OF NITROGEN CERAMICS.

Title (de)

WÄRMEBEHANDLUNG VON STICKSTOFFKERAMIKEN.

Title (fr)

TRAITEMENT THERMIQUE DE CERAMIQUE AZOTEE.

Publication

EP 0663894 A1 19950726 (EN)

Application

EP 93921028 A 19930930

Priority

- GB 9302032 W 19930930
- GB 9220695 A 19921001

Abstract (en)

[origin: WO9407811A1] A method for the production of nitrogen ceramic materials which comprises adding to the starting powdered ceramic material an oxide of a metal which has a boiling point of less than 1700 C, the said metal oxide being included in the mixture in an amount sufficient to densify the material, sintering the powder at a temperature of up to 1800 C and post-sintering the product in a reducing atmosphere under a reduced pressure at a temperature of up to 1700 C, in order to remove the glassy phase from the grain boundaries of the nitrogen ceramic material.

IPC 1-7

C04B 35/58; **C04B 41/53**

IPC 8 full level

C04B 35/584 (2006.01); **C04B 35/597** (2006.01); **C04B 35/599** (2006.01); **C04B 35/64** (2006.01); **C04B 41/53** (2006.01)

CPC (source: EP)

C04B 35/584 (2013.01); **C04B 35/597** (2013.01); **C04B 41/53** (2013.01)

Citation (search report)

See references of WO 9407811A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9407811 A1 19940414; EP 0663894 A1 19950726; GB 9220695 D0 19921111; JP H08508458 A 19960910

DOCDB simple family (application)

GB 9302032 W 19930930; EP 93921028 A 19930930; GB 9220695 A 19921001; JP 50884293 A 19930930