

Title (en)

Si/C/N-BASED CERAMICS OBTAINED BY POLYMER PYROLYSIS AS MATERIALS FOR TRIBOLOGICAL APPLICATIONS

Title (de)

POLYMER-PYROLYSE-KERAMIKEN AUF Si/C/N-BASIS ALS WERKSTOFFE FÜR TRIBOLOGISCHE ANWENDUNGEN

Title (fr)

CERAMIQUES A BASE DE Si/C/N OBTENUES PAR PYROLYSE DE POLYMERES UTILISEES COMME MATERIAUX POUR LA REALISATION D'ELEMENTS A FRICTION

Publication

**EP 1054846 A1 20001129 (DE)**

Application

**EP 99907545 A 19990212**

Priority

- DE 19806044 A 19980213
- EP 9900921 W 19990212

Abstract (en)

[origin: DE19806044A1] The invention relates to a method for producing crack-free Si/C/N-based moulded ceramic bodies by hot press moulding of cross-linked polysilazane powder and subsequent pyrolysis of the moulded body obtained by hot press moulding. The press temperature is higher than the maximum temperature in the TMA diagram of the optimally cross-linked polymer.

IPC 1-7

**C04B 35/589**; F16D 69/02

IPC 8 full level

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CPC (source: EP US)

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