

Title (en)

METHOD FOR PRODUCING POROUS SINTERED BODIES

Title (de)

VERFAHREN ZUR HERSTELLUNG PORÖSER SINTERFORMKÖRPER

Title (fr)

PROCEDE DE FABRICATION DE PIECES FRITTEES POREUSES

Publication

**EP 1587772 A1 20051026 (DE)**

Application

**EP 04705030 A 20040126**

Priority

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- AT 422003 U 20030130

Abstract (en)

[origin: US2006118984A1] The process of the invention for producing highly porous shaped sintered parts comprises the foaming of thermoplastically flowable molding compositions in the temperature range 80-130° C. An important feature of the process is the use of expandable polystyrene as blowing agent, and also of binder components matched thereto. During foaming, intrinsically closed, cell-like polystyrene foam particles are formed, which allows the manufacture of mechanically strong shaped sintered bodies having a proportion of pores of up to 85% by volume combined with high homogeneity of the pore diameter. The process is employed for the manufacture of open- or closed-porosity shaped sintered ceramic and/or metallic bodies.

IPC 1-7

**C04B 38/06**; **B22F 3/11**; **B22F 1/00**

IPC 8 full level

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Cited by

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