

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
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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.

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Cited by
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