

Title (en)  
METHOD FOR PRODUCING AN OPEN-PORE MOLDED BODY WHICH HAS A MODIFIED SURFACE AND WHICH IS MADE OF A METAL, AND A MOLDED BODY PRODUCED USING SAID METHOD

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES OFFENPORÖSEN FORMKÖRPERS MIT MODIFIZIERTER OBERFLÄCHE, DER MIT EINEM METALL GEBILDET IST UND EINEN MIT DEM VERFAHREN HERGESTELLTEN FORMKÖRPER

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN CORPS MOULÉ À ALVÉOLES OUVERTES DOTÉ D'UNE SURFACE MODIFIÉE, LEDIT CORPS MOULÉ ÉTANT CONSTITUÉ D'UN MÉTAL, ET CORPS MOULÉ FABRIQUÉ SELON CE PROCÉDÉ

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Application  
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Abstract (en)  
[origin: CA3076513A1] The invention relates to a method for producing open-pore molded bodies which have a modified surface and which are made of a metal. The surface of an open-pore molded body which is made of a metal, said molded body being used as a semi-finished product, is coated with particles of a chemical compound of a metal which can be reduced or thermally or chemically decomposed in a thermal treatment, and particles of the respective metal are produced by means of the thermal treatment, said particles being obtained by means of a chemical reduction or a thermal or chemical decomposition. After the coating process, at least one thermal treatment is carried out, in which the produced metal particles are connected to the surface of the semi-finished product and/or adjacent produced particles via sintered necks or sintered bridges such that the specific surface area of the obtained open-pore molded body is increased to at least 30 m<sup>2</sup>/l and/or at least by a factor of 5 in comparison to the starting material of the uncoated metal semi-finished product.

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