

Title (en)  
COMPOSITE CASTING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
VERBUNDGUSSTEIL UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
PIECE MOULEE COMPOSITE ET SON PROCEDE DE FABRICATION

Publication  
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Application  
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Abstract (en)  
[origin: WO0032335A1] The invention relates to a composite casting (1) in which a stabile connection between the matrix (4) and the insert (2) is ensured. The insert (2) comprises, at least in part, a porous open-porous sponge structure. The matrix material has a melting temperature which is up to 200 DEG C higher than that of the material of the insert (2). The connecting elements of the insert (2) thus do not completely melt when the matrix material is poured into the sponge structure if the matrix material constitutes up to 97 volume % in the area of the sponge structure.

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