

Title (en)
MULTILAYER CERAMIC COMPOSITE

Title (de)
MEHRLAGIGER KERAMIKVERBUND

Title (fr)
COMPOSITE CERAMIQUE MULTICOUCHE

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Application
EP 03815521 A 20031119

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Abstract (en)
[origin: WO2004067154A1] The invention relates to a method for producing a porous ceramic composite, which is characterized by applying a green layer to an already sintered ceramic substrate and sintering it together with the already sintered substrate at temperatures ranging from 500 DEG C to 1300 DEG C. The green layer exclusively contains ceramic particles having a particle size $x \leq 100$ nm and the sintered green layer being the functional layer has a layer thickness $s \leq 2.5$ μ m. The functional layer produced according to the inventive method is flawless and fine-pored and is therefore especially suitable for filtration processes.

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