

Title (en)

METHOD AND DEVICE FOR PRODUCING SHAPED CERAMIC BODIES USING SETTER PLATES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG KERAMISCHER FORMKÖRPER MITTELS SETTERPLATTEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRODUCTION DE CORPS MOULES EN CERAMIQUE AU MOYEN DE PLAQUES D'ENFOURNEMENT

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Application

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Abstract (en)

[origin: DE19848474C1] The invention relates to a method and device for producing shaped ceramic bodies, especially ceramic foils with printed conductors, switching elements and/or multi-layered hybrids (10) provided with through-platings. Initially, the shaped ceramic bodies exist in a basic form and contain organic auxiliary agents such as binders. During sintering and/or de-binding of the shaped ceramic bodies, said bodies are compressed between porous setter plates (20,21), whereby a catalytically active substance is introduced into the pores thereof so that the gaseous organic cured products of the basic form of the shaped bodies arising during sintering and/or de-binding are catalytically converted as they escape through the porous setter plates that can also contain said catalytically active substance. The setter plates can also be provided with separating layers. The inventive method results in substantial time saving during the sintering and/or de-binding of the shaped ceramic bodies.

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NILS WIBERG: "Holleman-Wiberg Lehrbuch der Anorganischen Chemie", WALTER DE GRUYTER, NEW YORK, 1985, pages: 200 - 200

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