

Title (en)

METHOD OF FORMING A METALLIC OR CERAMIC PART AND THE PART THUS OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALL- ODER KERAMIKTEILS UND DANACH ERHALTENES TEIL

Title (fr)

PROCEDE DE MISE EN FORME D UNE PIECE EN MATIERE METALLIQUE OU CERAMIQUE ET PIECE AINSI OBTENUE

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Application

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Abstract (en)

[origin: WO03076364A1] The invention relates to a method of forming a metallic or ceramic part. The inventive method consists in: forming a mixture comprising a metallic or ceramic powder, an organic binder and a vehicle; forming the aforementioned mixture such that it has a shape similar to that of the part; gelling the mixture in said shape; and removing the vehicle. The method is characterised in that the mixture also comprises a gelling agent which performs a chemical reaction with the organic binder and forms an irreversible gel with same, in that the mixture is carried out at a first temperature at which said chemical reaction does not occur, and in that the above-mentioned gelling takes place at a second temperature at which the chemical reaction occurs with instantaneous gelling of the mixture.

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