

Title (en)

METHOD FOR DEBURRING A CERAMIC FOUNDRY CORE AND USE OF A DEVICE TO PERFORM SUCH METHOD

Title (de)

ENTGRATUNGSVERFAHREN FÜR EINEN KERAMISCHEN GIESSKERN UND VERWENDUNG EINER VORRICHTUNG ZUR AUSFÜHRUNG SOLCHER VERFAHREN

Title (fr)

PROCEDE POUR EBAVURER UN NOYAU DE FONDERIE EN MATIERE CERAMIQUE ET UTILISATION D'UN DISPOSITIF POUR LA MISE EN OEUVRE D'UN TEL PROCEDE

Publication

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Application

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Abstract (en)

[origin: WO2009127721A1] The present invention relates to a method for deburring a ceramic foundry core (10) obtained by injecting a ceramic paste, said paste including a binder having a predetermined glass transition temperature, into a mold and having at least one surface portion with a surplus of material forming a burr (B) to be eliminated. The method is characterized in that it includes the following stages: a) disposing and attaching the molded, unfired foundry core (10) onto a mounting (300); b) placing a milling tool (100), having an elongated shape with a helically cut edge, onto a tool holder; c) causing the tool to rotate around its axis and touching the milling tool to said surface portion to be deburred; and d) freezing (400) the surface portion to be deburred such that the foundry core is maintained at a temperature lower than said glass transition temperature during the deburring operation.

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