

Title (en)
METHOD FOR OBTAINING A FOUNDRY BODY FROM A GRANULAR MIXTURE INCLUDING A MODIFIED POLYCONDENSED RESIN AND A FORMALDEHYDE SENSOR

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES GUSSKÖRPERS AUS EINER KÖRNIGEN MISCHUNG MIT EINEM MODIFIZIERTEN POLYKONDENSIERTEN HARZ UND FORMALDEHYDSENSOR

Title (fr)
PROCÉDÉ D'OBTENTION D'UN CORPS POUR FONDERIE À PARTIR D'UN MÉLANGE GRANULAIRE COMPRENANT UNE RÉSINE POLYCONDENSÉE MODIFIÉE ET UN CAPTEUR DE FORMALDÉHYDE

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Abstract (en)
[origin: WO2014037681A2] The invention relates to a method for manufacturing a foundry body including the preparation of a granular mixture including a polycondensed resin having modified formaldehyde, optionally incorporating an aromatic or polyaromatic during the synthesis thereof, a hardening agent, a formaldehyde sensor compound, water and optionally at least one resin selected from the group comprising tannins, natural polyphenols, and lignins, placing said granular mixture in contact with the surface of a forming tool, and insufflating a flow of gas at 50 °C to 380 °C into the granular mixture for 1 to 300 seconds, in order to ensure at least partial hardening of said mixture. The invention also relates to a method for manufacturing a moulded foundry piece made of metal or a metal alloy, which includes pouring metal into at least one body (mould and/or core) thus produced; and to a foundry piece thus manufactured.

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