

Title (en)

METHOD FOR PRODUCING SHAPED BODIES, PARTICULARLY CORES, MOLDS AND FEEDERS FOR USE IN FOUNDRY PRACTICE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FORMKÖRPERN, INSBESONDERE VON KERNEN, FORMEN UND SPEISERN FÜR DIE GIESSEREITECHNIK

Title (fr)

PROCEDE DE PRODUCTION DE CORPS MOULES, NOTAMMENT DE NOYAUX, DE MOULES ET DE MASSELOTTES POUR LA FONDERIE

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Application

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Abstract (en)

[origin: WO2004050738A1] The invention relates to a method for producing shaped bodies, particularly cores, molds and feeders for use in foundry practice, comprising the following steps: a) producing a composition containing: i) at least one phenol resin in solid form; ii) at least one polyisocyanate, and; iii) at least one refractory material, whereby the composition is produced at a temperature that is lower than the melting temperature of the at least one phenol resin; b) shaping the composition to form a shaped body; c) increasing the temperature of the composition above the melting point of the at least one phenol resin in order to harden the mixture. The invention also relates to shaped bodies, particularly cores, molds and feeders for use in foundry practice, which can be obtained by said method, and to a composition such as one used in this method.

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