

Title (en)

PROCESS FOR INTRODUCING CORES INTO A CASTING MOULD

Title (de)

VERFAHREN ZUM EINBRINGEN VON KERNEN IN EINE GIESSFORM

Title (fr)

PROCEDE POUR INTRODUIRE DES NOYAUX DANS UN MOULE DE COULEE

Publication

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Application

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Abstract (en)

[origin: US6003588A] PCT No. PCT/EP96/02943 Sec. 371 Date Jun. 25, 1997 Sec. 102(e) Date Jun. 25, 1997 PCT Filed Jul. 4, 1996 PCT Pub. No. WO97/16271 PCT Pub. Date May 9, 1997A process for inserting cores into a casting mold includes inserting a plurality of individual cores into a template; forming a core group by joining together the plurality of individual cores within the template using a bracing and securing device which is detachable; dipping the core group into a founder's black bath to provide a coated core group; drying the coated core group; inserting the core group after drying into the casting mold; and removing the bracing and securing device. The process advantageously additionally includes providing a plurality of core groups that form a core assembly for a casting mold; forming a core set by joining together the plurality of core groups using a bracing and securing device; dipping the core set into a founder's black bath to provide a coated core set; drying the coated core set; inserting the core set after drying into the casting mold; and removing the bracing and securing device. The plurality of cores have respective contact surfaces that touch each other, and the process advantageously includes providing an adhesive on at least some of the contact surfaces prior to inserting the plurality of cores into the template.

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