

Title (en)

SIZED MOLDS OBTAINABLE FROM A MOLDING MATERIAL MIXTURE CONTAINING AN INORGANIC BONDING AGENT AND PHOSPHATIC COMPOUNDS AND OXIDIC BORON COMPOUNDS AND METHOD FOR PRODUCTION AND USE THEREOF

Title (de)

GESCHLICHTETE GIESSFORMEN ERHÄLTICH AUS EINER FORMSTOFFMISCHUNG ENTHALTEND EIN ANORGANISCHES BINDEMITTEL UND PHOSPHAHALTIGE VERBINDUNGEN UND OXIDISCHE BORVERBINDUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)

MOULES DE FONDERIE POTEYÉS POUVANT ÊTRE OBTENUS À PARTIR D'UN MÉLANGE DE MATIÈRES À MOULER CONTENANT UN LIANT INORGANIQUE ET DES COMPOSÉS PHOSPHATÉS ET DES COMPOSÉS D'OXYDE DE BORE ET PROCÉDÉ POUR LES FABRIQUER ET LEUR UTILISATION

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Application

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Abstract (en)

[origin: WO2020253917A1] The invention relates to sized molds for metal casting, obtainable from molding material mixtures on the basis of inorganic bonding agents containing at least one phosphatic compound and at least one oxidic boron compound, in particular sized, water glass-bound forms and cores, comprising at least one fireproof basic molding material, water glass as inorganic bonding agent and amorphous particulate silicon dioxide and one or more powdery oxidic boron compounds and one or more phosphatic compounds. The invention furthermore relates to a method for producing sized foundry mold bodies and use thereof, in particular for producing cast parts from iron alloys. The size is a water-based size.

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