

Title (en)
CASTING CORE FOR CASTING MOULDS AND METHOD FOR THE PRODUCTION OF SAME

Title (de)
GIESSKERN FÜR GIESSFORMEN SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
NOYAU DE COULÉE POUR MOULES DE COULÉE ET SON PROCÉDÉ DE FABRICATION

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Application
EP 19773052 A 20190919

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Abstract (en)
[origin: WO2020058394A1] The invention relates to a casting core for casting moulds, wherein the casting core comprises a central core and a core shroud arranged around the central core. The core shroud contains or consists of ceramic particles bound to a binder. The central core contains or consists of ceramic particles bound to a binder, wherein the ceramic particles of the central core contain or consist of at least one component, which exhibits, at a temperature in a range from 100 °C to 1500 °C, a thermally induced phase transformation, and/or at least two components, the thermal expansion coefficients of which at 20 °C differ by at least $5 \cdot 10^{-6}$ K⁻¹. The invention further relates to a method for producing the casting core according to the invention and the use of the casting core according to the invention.

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