

Title (en)

Particulate refractory compositions for use in the manufacture of foundry moulds and cores, methods of preparing same and corresponding uses

Title (de)

Teilchenförmige Feuerfestmaterialzusammensetzungen zur Verwendung bei der Herstellung von Gussformen und -kernen, Verfahren zu ihrer Herstellung und entsprechende Verwendungen

Title (fr)

Compositions réfractaires particulaires destinées à être utilisées dans la fabrication de moules et de noyaux de fonderie, procédés de préparation et utilisations correspondantes

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2692460A1] The invention relates to a method of preparing a particulate refractory composition for use in the manufacture of foundry moulds and cores from spent foundry moulds or cores formed of refractory material and an alkaline binder containing alkali metal ions, the method comprising the following steps: providing broken material from spent foundry moulds or cores or preparing broken material from spent foundry moulds or cores, mixing the broken material with an additive comprising or consisting of one or more particulate constituents selected from the group consisting of aluminum hydroxide, synthetic zeolites and natural zeolites and subjecting the mixture to a heat treatment at a temperature in the range of from 400 to 750 °C. Furthermore the invention relates to particulate refractory composition for use in the manufacture of foundry moulds and cores.

IPC 8 full level

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