

Title (en)

Process for mechanical reclaiming of used foundry sand.

Title (de)

Verfahren zur mechanischen Reinigung von Giessereialsand.

Title (fr)

Procédé de récupération mécanique de sable de fonderie décoché.

Publication

**EP 0512236 B1 19951206 (DE)**

Application

**EP 92105216 A 19920326**

Priority

DE 4111726 A 19910410

Abstract (en)

[origin: US5291935A] The invention relates to a process for the mechanical cleaning of foundry used sand by means of thermomechanical regenerations, in which the sand is blown pneumatically against a deflection hood and the mechanical-pneumatic cleaning is performed batchwise in a separate container. The process can be used both as pre-cleaning and as after-cleaning. In the case of pre-cleaning there is a simultaneous drying, preheating, pre-cleaning and sifting, whereas with after-cleaning there is a simultaneous cooling, after-cleaning and sifting. As a result of the batchwise operation, all the quartz particles are exposed roughly to the same friction treatment and consequently, in conjunction with a simple control of the cleaning process, reduced grain destruction is achieved.

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**B22C 5/18**

IPC 8 full level

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CPC (source: EP US)

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Metal Handbook 9th Edition, Vol. 15, Casting, 1988, Metals Park, S. 352-354

Cited by

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