

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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Citation (examination)

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

Cited by

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