

Title (en)

Process and apparatus for regenerating used foundry sand

Title (de)

Verfahren und Vorrichtung zum Regenerieren von Giessereialsand

Title (fr)

Procédé et appareil pour la régénération de sable de fonderie usagé

Publication

EP 0597335 B1 19970723 (DE)

Application

EP 93117552 A 19931029

Priority

DE 4237838 A 19921110

Abstract (en)

[origin: EP0597335A1] Used foundry sand is cleaned by a process in which it is circulated in a processing chamber and frictional forces which break open the binder shell and separate it from the sand grain are exerted on the particles of used sand and the mixture of substances formed is cleaned physically, thereby increasing the proportion of sand. In order to allow effective cleaning, part of the mixture of substances is removed from the processing chamber after passing through the friction zone and passed into a separate cleaning chamber, where it is cleaned, after which the precleaned used sand is returned to the processing chamber. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

US9643279B2; US10105790B2; US10583631B2; WO2013002869A3; US11311959B2; US9862054B2; US10500674B2

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