

Title (en)

Method of reclaiming used foundry sand.

Title (de)

Verfahren zum Regenerieren von Giesserei-Altsanden.

Title (fr)

Procédé pour la régénération de sable de fonderie usé.

Publication

**EP 0628367 A3 19950426 (DE)**

Application

**EP 94108072 A 19940526**

Priority

DE 4318136 A 19930601

Abstract (en)

[origin: EP0628367A2] Used foundry sand is fed in batches to a rubbing apparatus which detaches the binder shell from the sand grain, is removed from the rubbing apparatus (19) by means of a conveying device into an intermediate container with a dust-removal device and is recirculated several times between the latter and the rubbing apparatus by means of a conveying device. To optimise process management, the rubbing (R), dust removal (E) and recirculation (U) steps of the process are combined to form a control module M and a plurality of control modules M1 to Mn are formed, these differing in the percentage of the nominal output of the individual stages (R), (E) and (U) of the process. The control modules M1 to Mn are stored in a control unit and the rubbing apparatus, the conveying device and the dust-removal device are driven by the control unit with a sequence of control modules selected in accordance with the quality of the used sand.

IPC 1-7

**B22C 5/18**; **B22C 5/10**

IPC 8 full level

**B22C 5/00** (2006.01); **B22C 5/10** (2006.01); **B22C 5/18** (2006.01)

CPC (source: EP)

**B22C 5/10** (2013.01); **B22C 5/18** (2013.01)

Citation (search report)

- [PDA] DE 4237838 A1 19940511 - BADISCHE MASCHF GMBH [DE]
- [PA] EP 0580084 A2 19940126 - BOENISCH DIETMAR [DE]
- [A] EP 0343272 A1 19891129 - POHL GIESSEREITECHNIK [DE]
- [A] WO 9320964 A1 19931028 - BOENISCH DIETMAR [DE]
- [A] WALTER STUZZMANN ET AL.: "Ein- und mehrstufige Sandregenerieranlagen im Modulsystem- Anlagenkonzeption und Betriebsergebnisse", GIESSEREI 79 (1992) 3 FEBRUAR, NO 3, DÜSSELDORF
- [A] DATABASE WPI Week 7412, Derwent World Patents Index; AN 74-22588V #12!

Cited by

DE102011075631A1; DE102011075630A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL

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**EP 0628367 A2 19941214**; **EP 0628367 A3 19950426**; **EP 0628367 B1 19981104**; AT E172902 T1 19981115; DE 4318136 A1 19941208; DE 59407204 D1 19981210

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