

Title (en)

Process for reclaiming used foundry sand

Title (de)

Verfahren zum Regenerieren von Giesserei-Altsanden

Title (fr)

Procédé de récupération de sable décoché

Publication

EP 0465778 B1 19971001 (DE)

Application

EP 91106513 A 19910423

Priority

- DE 4020576 A 19900628
- DE 4100520 A 19910110

Abstract (en)

[origin: US5233765A] Although an elevated process temperature is used for reprocessing used sands having high clay-like portions, the upper limit thereof is fixed such that chamottization of the sand and combustion of organic binder components do not occur. The air-gas mixture is circulated in a drier and a mechanical reprocessing step arranged downstream thereof and heated to process temperature by utilizing thermal energy obtained by branching off and burning part of the air-gas mixture from the circulation.

IPC 1-7

B22C 5/18

IPC 8 full level

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

CPC (source: EP US)

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Cited by

EP1759787A1; DE4224493A1; EP1745872A3; DE4212097A1; US5439044A; GB2246974B

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AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0465778 A2 19920115; **EP 0465778 A3 19930414**; **EP 0465778 B1 19971001**; AT E158731 T1 19971015; JP H0596340 A 19930420; US 5233765 A 19930810

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