

Title (en)

METHOD AND APPARATUS FOR ASSISTING REMOVAL OF SAND MOLDINGS FROM CASTINGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ENTFERNUNG DER SANFORMEN VON GUSSSTÜCKEN

Title (fr)

PROCEDE ET APPAREIL DESTINES A FACILITER LE RETRAIT DE MOULES EN SABLE A PARTIR DE PIECES COULEES

Publication

EP 1303373 B1 20050803 (EN)

Application

EP 01939335 A 20010523

Priority

- US 0116686 W 20010523
- US 62710900 A 20000727
- US 66535400 A 20000919
- US 85225601 A 20010509

Abstract (en)

[origin: WO02094479A1] Disclosed is a method for dislodging a mold from a casting formed within the mold. The mold may be removed from the casting by scoring the mold and applying a force sufficient to cause the mold to fracture and break into pieces. Additionally, the mold may be fractured by either explosive charges placed in the mold pack or by high energy pulsations directed at the mold. Once the mold is fractured and broken into various pieces it may then be dislodged from the casting.

IPC 1-7

B22D 29/00

IPC 8 full level

B22D 29/00 (2006.01); **B22D 29/04** (2006.01)

CPC (source: EP KR)

B22D 29/00 (2013.01 - EP KR); **B22D 29/003** (2013.01 - EP); **B22D 29/006** (2013.01 - EP); **B22D 29/007** (2013.01 - EP)

Citation (examination)

1988, ASM INTERNATIONAL

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02094479 A1 20021128; AT E301017 T1 20050815; AU 2001264864 B2 20051027; CA 2422646 A1 20021128; CA 2422646 C 20080129; CN 1232371 C 20051221; CN 1325207 C 20070711; CN 1437515 A 20030820; CN 1666831 A 20050914; DE 60112446 D1 20050908; DE 60112446 T2 20060330; EP 1303373 A1 20030423; EP 1303373 B1 20050803; EP 1563930 A1 20050817; HK 1057020 A1 20040312; HK 1080785 A1 20060504; JP 2004520174 A 20040708; JP 4795624 B2 20111019; KR 100768604 B1 20071018; KR 20030036135 A 20030509; MX PA02007261 A 20030630

DOCDB simple family (application)

US 0116686 W 20010523; AT 01939335 T 20010523; AU 2001264864 A 20010523; CA 2422646 A 20010523; CN 01811600 A 20010523; CN 200510065186 A 20010523; DE 60112446 T 20010523; EP 01939335 A 20010523; EP 05008776 A 20010523; HK 03109329 A 20031223; HK 06100944 A 20060120; JP 2002591184 A 20010523; KR 20027009532 A 20010523; MX PA02007261 A 20010523