

Title (en)

METHOD FOR THE MANUFACTURE OF CORES FOR METAL CASTING PROCESSES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KERNEN FÜR GIESSVERFAHREN VON METALL

Title (fr)

PROCEDE DE FABRICATION DE NOYAUX DESTINES A DES PROCESSUS DE FONTE DE METAUX

Publication

EP 0973623 B1 20020116 (EN)

Application

EP 98903132 A 19980204

Priority

- DE 19706472 A 19970219
- GB 9800351 W 19980204

Abstract (en)

[origin: WO9836859A1] In a method for the manufacture of sand cores for metal casting processes by the urethane Cold Box Process gaseous trimethylamine is conducted through parts of a metering device (3) and then, in a concentration of from 0.01 to 0.12 wt.% based on the quantity of sand used per core into a core shooting machine (4) where it is brought into contact with the sand, and prior to the introduction of the gaseous trimethylamine into the core shooting machine (4) a purging gas is introduced, the relationship between the trimethylamine and the purging gas being such that for a quantity T of trimethylamine the quantity L of purging gas used is in the ratio of T:L of from 1:1000 to 1:10000.

IPC 1-7

B22C 9/12

IPC 8 full level

B22C 9/12 (2006.01)

CPC (source: EP KR)

B22C 9/12 (2013.01 - KR); **B22C 9/123** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9836859 A1 19980827; AR 005411 A1 19990623; AT E211954 T1 20020215; AU 5996098 A 19980909; AU 733863 B2 20010531; BR 9807578 A 20000321; CA 2282309 A1 19980827; CN 1252020 A 20000503; DE 19706472 C1 19980604; DE 69803170 D1 20020221; DE 69803170 T2 20021031; EP 0973623 A1 20000126; EP 0973623 B1 20020116; JP 2001511710 A 20010814; KR 20000071196 A 20001125; TR 199902016 T2 19991221; TW 404865 B 20000911; ZA 98938 B 19980807

DOCDB simple family (application)

GB 9800351 W 19980204; AR P980100740 A 19980219; AT 98903132 T 19980204; AU 5996098 A 19980204; BR 9807578 A 19980204; CA 2282309 A 19980204; CN 98804135 A 19980204; DE 19706472 A 19970219; DE 69803170 T 19980204; EP 98903132 A 19980204; JP 53635298 A 19980204; KR 19997007486 A 19990818; TR 9902016 T 19980204; TW 87102217 A 19980218; ZA 98938 A 19980205