

Title (en)

A mechanism for blowing molding sand in blowing machines

Title (de)

Vorrichtung zum Schiessen von Giessereisand in Kern- und Maskenschiessmaschinen

Title (fr)

Mécanisme de tirage de sable de fonderie en machines de moulage

Publication

**EP 0904871 A1 19990331 (EN)**

Application

**EP 97116715 A 19970925**

Priority

- EP 97116715 A 19970925
- JP 18880696 A 19960628

Abstract (en)

A molding sand blowing mechanism is provided wherein compressed air blown into the mechanism can pass through the inner cylindrical chamber with little resistance applied thereto, the inner cylinder can be easily manufactured, and whether the model box is adequately filled with molding sand does not depend on the quantity of molding sand in the inner cylindrical tube. The sand blowing mechanism comprises outer and inner cylindrical tubes 5,7, to form exhaust and air supply guiding chambers 11,12, and a plurality of nozzles 19,39 provided in the inner tube 7 for jetting compressed air into the air supply guiding chamber 12 toward the periphery of the inside of the inner tube 7. <IMAGE>

IPC 1-7

**B22C 15/24**

IPC 8 full level

**B22C 15/23** (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP)

**B22C 15/24** (2013.01)

Citation (search report)

- [X] GB 2001268 A 19790131 - ACME CLEVELAND CORP
- [X] DE 579844 C 19330703 - ZIMMERMANN GUSTAV
- [A] US 4570694 A 19860218 - LUND ROBERT S [US]
- [A] GB 2046152 A 19801112 - ACME CLEVELAND CORP
- [A] EP 0193140 A2 19860903 - KLEIN ALB GMBH CO KG [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 085 (M - 206) 8 April 1983 (1983-04-08)

Cited by

CN113680786A; CN105397038A; CN103831403A; EP1867410A1; EA016210B1; WO2008087772A1

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)

**EP 0904871 A1 19990331**; JP H1015644 A 19980120

DOCDB simple family (application)

**EP 97116715 A 19970925**; JP 18880696 A 19960628