

Title (en)
Low pressure die casting apparatus

Title (de)
Niederdruck-Kokillengiessanlage

Title (fr)
Dispositif de la coulée en coquille à basse pression

Publication
EP 0824983 B1 19990929 (DE)

Application
EP 97111160 A 19970703

Priority
CH 207596 A 19960823

Abstract (en)
[origin: US5937931A] The casting plant includes dual independent casting workstations which sequentially interact with a common core inserting station, the dual workstations include casting removal stations, cooling and blackwash stations, and casting die travelling and manipulating units. The several workstations are compactly arranged, whereby only one operator is needed for core inserting and cleaning of the die halves. Each set of workstations may operate independently of the other set.

IPC 1-7
B22D 47/00

IPC 8 full level
B22D 18/04 (2006.01); **B22D 17/22** (2006.01); **B22D 47/00** (2006.01)

CPC (source: EP KR US)
B22D 17/00 (2013.01 - KR); **B22D 47/00** (2013.01 - EP US)

Cited by
EP1270115A3; DE19900574A1; EP1270114A1; DE19834553A1; AT521574A1; CN112566740A; AT521574B1; US10695829B2; WO2015071098A1; EP3837067B1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
US 5937931 A 19990817; AT E185096 T1 19991015; CH 692222 A5 20020328; CN 1081500 C 20020327; CN 1180597 A 19980506; DE 29710930 U1 19970814; DE 59700497 D1 19991104; EP 0824983 A1 19980225; EP 0824983 B1 19990929; ES 2137035 T3 19991201; IT 237865 Y1 20000929; IT MI970614 U1 19990218; JP 3145964 B2 20010312; JP H10113760 A 19980506; KR 100237080 B1 20000115; KR 19980018706 A 19980605; TW 338735 B 19980821

DOCDB simple family (application)
US 91287197 A 19970819; AT 97111160 T 19970703; CH 207596 A 19960823; CN 97117650 A 19970822; DE 29710930 U 19970623; DE 59700497 T 19970703; EP 97111160 A 19970703; ES 97111160 T 19970703; IT MI970614 U 19970818; JP 22270297 A 19970819; KR 19970038985 A 19970814; TW 86110392 A 19970722