

Title (en)

COATING FOR MOLDS AND EXPENDABLE CORES.

Title (de)

BESCHICHTUNG FÜR GIESSFORMEN UND AUSDEHNBARE KERNE.

Title (fr)

REVETEMENT POUR DES MOULES ET POUR DES NOYAUX EXPANSIBLES.

Publication

EP 0215783 A4 19870916 (EN)

Application

EP 85902289 A 19850416

Priority

US 8500675 W 19850416

Abstract (en)

[origin: WO8606012A1] A resin-bonded sand core for high-pressure die casting methods having a first refractory coating, such as of silica, with an inorganic binding agent of colloidal silica and a clay such as kaolin, and a second or top coating of a refractory material containing zircon and an organic binding agent, which combination of these two different coatings enables the bonded sand core to have high pressure and temperature resistance, good washout resistance, freedom from surface penetration, and good shake-out properties.

IPC 1-7

B22C 3/00; **B22C 9/02**; **B22C 9/10**; **B22C 9/12**; **B22D 17/20**

IPC 8 full level

B22C 3/00 (2006.01); **B22C 9/10** (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP)

B22C 3/00 (2013.01); **B22C 9/10** (2013.01)

Citation (search report)

- [Y] FR 2466293 A1 19810410 - NL INDUSTRIES INC [US]
- [Y] FR 2176718 A1 19731102 - TITECH INTERNATIONAL [US]
- [A] US 4342597 A 19820803 - BROWN WILLIAM F
- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 236 (M-173)[1114], 25th November 1982; & JP-A-57 134 236 (KUBOTA TEKKO K.K.) 19-08-1982
- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 236 (M-173)[1114], 25th November 1982; & JP-A-57 134 237 (KUBOTA TEKKO K.K.) 19-08-1982
- See references of WO 8606012A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 8606012 A1 19861023; DE 3583505 D1 19910822; EP 0215783 A1 19870401; EP 0215783 A4 19870916; EP 0215783 B1 19910717; JP H0240412 B2 19900911; JP S62502455 A 19870924

DOCDB simple family (application)

US 8500675 W 19850416; DE 3583505 T 19850416; EP 85902289 A 19850416; JP 50178685 A 19850416