

Title (en)

DOSING DEVICE FOR BONDING MATERIALS

Publication

EP 0264597 A3 19880720 (DE)

Application

EP 87112864 A 19870903

Priority

DE 3635539 A 19861018

Abstract (en)

[origin: US4828461A] Apparatus for transferring metered quantities of a flowable bonding agent from a tank into a mixer of a sand core making machine has an upright tubular vessel into which the bonding agent is drawn from the tank by a suction pump and a pressure pump which transfers the accumulated bonding agent from the vessel into the mixer. The vessel contains a float which cooperates with sensors serving to generate signals for actuation or deactivation of the pumps and/or valves in the conduits connecting the vessel with the tank, mixer and the pumps. The bonding agent is kept out of contact with the pumps and out of contact with the valves in the conduits connecting the vessel with the pumps.

IPC 1-7

B22C 5/04

IPC 8 full level

B01F 15/04 (2006.01); **B22C 5/04** (2006.01)

CPC (source: EP US)

B01F 35/8822 (2022.01 - EP US); **B22C 5/0472** (2013.01 - EP US)

Citation (search report)

- [A] DE 1783081 B1 19730208 - BUDNEY CO
- [A] DE 3245940 A1 19830707 - LUEBER WERNER [CH]
- [A] DE 7246462 U

Cited by

CN110253711A

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0264597 A2 19880427; **EP 0264597 A3 19880720**; **EP 0264597 B1 19900110**; AT E49360 T1 19900115; DE 3635539 A1 19880428; DE 3635539 C2 19890928; DE 3761354 D1 19900215; ES 2012379 B3 19900316; GR 3000411 T3 19910628; US 4828461 A 19890509

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EP 87112864 A 19870903; AT 87112864 T 19870903; DE 3635539 A 19861018; DE 3761354 T 19870903; ES 87112864 T 19870903; GR 900400159 T 19900326; US 10945987 A 19871016