

Title (en)

Process and device for preparing a binder , in particular a dry or pulverulent binding building material

Title (de)

Verfahren und Vorrichtung zum Anmachen von abbindendem Material, insbesondere von einer trockenen oder rieselfähigen Baustoffmischung

Title (fr)

Procédé et dispositif pour la préparation de matériaux liants , en particulier d'un mélange pour matériau de construction sec ou pulvérulent

Publication

EP 1065033 B1 20031217 (DE)

Application

EP 00113445 A 20000624

Priority

DE 19930554 A 19990702

Abstract (en)

[origin: EP1065033A2] The method involves using a dosing device to supply pourable material to a mixing area (9) of a mixing chamber (5), where it is mixed with fluid before supply from a pump (11). The dosing device and a mixing device (7) in the mixing chamber are separately operated. The pourable material is supplied perpendicular to the feed device in the mixing chamber in a front or transfer area of the mixing chamber in front of the mixing area. At least part of the mixing fluid is supplied to the front area to form a sump area (16). The dosed dry material is fed or scattered in the sump area. The front area, sump area or edge area (17) between the sump area and the mixing area is monitored using a probe (15), a sensor or a filling level measuring device (15a), to control the supply of the dosed material or the fluid, so that when the pumped feed quantity, and with it the quantity of material in the monitored area, is reduced or increased, the supply of dosed materials or fluid is reduced or stopped or increased, as appropriate. An Independent claim is included for a device for implementing the method.

IPC 1-7

B28C 5/12; **B28C 7/04**; **B28C 7/12**; **B28C 7/02**

IPC 8 full level

B28C 5/12 (2006.01); **B28C 7/02** (2006.01); **B28C 7/04** (2006.01); **B28C 7/12** (2006.01); **B28C 5/08** (2006.01)

CPC (source: EP)

B01F 27/2123 (2022.01); **B01F 27/62** (2022.01); **B01F 27/70** (2022.01); **B01F 35/71775** (2022.01); **B01F 35/754551** (2022.01); **B28C 5/12** (2013.01); **B28C 5/1284** (2013.01); **B28C 5/1292** (2013.01); **B28C 7/02** (2013.01); **B28C 5/0862** (2013.01)

Cited by

CN112873517A; DE102010034032B4; JP2006523149A; KR100963999B1; EP2731768A4; CN109952436A; CN101934559A; GB2495666A; GB2495666B; DE212013000285U1; DE102010034032A1; WO2015176092A2; DE202010011270U1; WO2004080676A1; WO2012019332A1; DE202021104334U1; EP3970843A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1065033 A2 20010103; **EP 1065033 A3 20020102**; **EP 1065033 B1 20031217**; AT E256542 T1 20040115; DE 19930554 C1 20010607; DE 50004766 D1 20040129; ES 2211418 T3 20040716

DOCDB simple family (application)

EP 00113445 A 20000624; AT 00113445 T 20000624; DE 19930554 A 19990702; DE 50004766 T 20000624; ES 00113445 T 20000624