

Title (en)

Device for continuously mixing mortar with water and for transporting this mixture by pumping.

Title (de)

Vorrichtung zum kontinuierlichen Mischen eines Mörtels mit Wasser und Verpumpen des Gemisches.

Title (fr)

Dispositif pour mélanger en continu un mortier avec de l'eau et transporter le mélange au moyen d'une pompe.

Publication

EP 0300342 A2 19890125 (DE)

Application

EP 88111183 A 19880713

Priority

DE 3724503 A 19870724

Abstract (en)

The device for mixing plaster or mortar has, in succession, a mortar container (14), a mixer (15), a pump (12) and a conveying hose, and a vessel (10) provided with a stirrer (21, 23) is connected between the mixer (15) and the pump (12), the mixture having a free surface (37) in contact with the air and moved by the stirrer (21, 23). This enables the air content of the mortar/water mixture to be better controlled. Via the free surface in contact with the air, the same mortar/water mixture, provided with surface-active agents as pore formers, receives far more finely distributed air than is possible with conventional types of air introduction. For this purpose, the stirrer does not even need to strike the air. It can remain below the surface and needs only to generate movement on the surface. By contrast, the mortar, which is provided with anti-foaming agents, defoams on the free surface. The majority of the unwanted air escapes.

Abstract (de)

In einer Vorrichtung zum kontinuierlichen Mischen eines Putzmörtels oder Fließestriches mit Wasser und Verpumpen des Gemisches, die aufeinanderfolgend einen Mörtelbehälter (14), einen Mischer (15), eine Pumpe (12) und einen Förderschlauch aufweist, ist zwischen den Mischer (15) und die Pumpe (12) ein mit einem Rührwerkzeug (21, 23) versehenes Gefäß (10) geschaltet, in dem die Mischung eine, von dem Rührwerkzeug (21, 23) bewegte, freie Oberfläche (37) an der Luft hat.

IPC 1-7

B28C 5/12

IPC 8 full level

B28C 5/12 (2006.01)

CPC (source: EP)

B01F 27/2123 (2022.01); **B28C 5/1292** (2013.01)

Cited by

EP0410316A1; IT201600123711A1; CN112936597A; EP0584573A1; DE4318177A1; DE4318177C2; EP0496685A1; FR2671754A1; CN114776018A; US12064901B2; WO2008052530A2; WO2008052530A3; CN108698001A; EP3646943A3; EP3659699A3; EP3600809B1; EP3664981B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0300342 A2 19890125; **EP 0300342 A3 19901107**; **EP 0300342 B1 19930331**; AT E87533 T1 19930415; DE 3724503 A1 19890202; DE 3879788 D1 19930506

DOCDB simple family (application)

EP 88111183 A 19880713; AT 88111183 T 19880713; DE 3724503 A 19870724; DE 3879788 T 19880713