

Title (en)

DEVICE FOR CONTINUOUSLY MIXING MORTAR WITH WATER AND FOR TRANSPORTING THIS MIXTURE BY PUMPING

Publication

EP 0300342 B1 19930331 (DE)

Application

EP 88111183 A 19880713

Priority

DE 3724503 A 19870724

Abstract (en)

[origin: EP0300342A2] 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.

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

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

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