

Title (en)
Method and mixer for producing coloured masses of mortar

Title (de)
Verfahren und Mischer zum Herstellen farbiger Mörtelmassen

Title (fr)
Procédé et malaxeur pour fabriquer des masses de mortier en couleur

Publication
EP 0925892 B1 20030416 (DE)

Application
EP 98120563 A 19981029

Priority
DE 19757734 A 19971223

Abstract (en)
[origin: EP0925892A1] A vertical, tubular mixer barrel has a central axial rotating shaft extending down its full length from a top mounted drive (17), and coupled at the bottom end to the spiral rotor of a vertically arranged progressing cavity pump (4). Dry mortar is fed from a hopper (3) into the upper section (1.1) of the mixer barrel and undergoes preliminary dry mixing, to ensure homogeneity, under the action of a combination screw and paddle flights attached to the shaft. The plug of dry mortar passes down the barrel and a controlled flow of water is added through an inlet (1.3) and the mortar undergoes mixing the wet section (1.3) before entering the progressing cavity section (4) to be pumped through a finishing mixer (5) and discharged via a hose (6). Liquid colorant, from a container (12) is either sucked into the mixer water feed via a venturi device (7) or into the progressing cavity pump via a bore (4.2) in the stator casing (4.1).

IPC 1-7
B28C 7/12

IPC 8 full level
B28C 5/00 (2006.01); **B28C 5/12** (2006.01); **B28C 7/00** (2006.01); **B28C 7/12** (2006.01)

CPC (source: EP)
B01F 27/2123 (2022.01); **B28C 5/1284** (2013.01); **B28C 7/12** (2013.01); **B28C 7/126** (2013.01)

Cited by
EP2392441A3; EP1588785A3; CN108394022A; CN104354227A; CN107283627A; FR3125235A1; GB2610695A; EP1588785A2; WO0218792A3

Designated contracting state (EPC)
AT BE CH DE FR IT LI LU NL

DOCDB simple family (publication)
EP 0925892 A1 19990630; **EP 0925892 B1 20030416**; AT E237443 T1 20030515; CZ 288569 B6 20010711; CZ 429098 A3 19990714; DE 19757734 A1 19990701; DE 19757734 C2 20000914; DE 59807952 D1 20030522; PL 329991 A1 19990705; SK 174998 A3 19990712

DOCDB simple family (application)
EP 98120563 A 19981029; AT 98120563 T 19981029; CZ 429098 A 19981223; DE 19757734 A 19971223; DE 59807952 T 19981029; PL 32999198 A 19981130; SK 174998 A 19981218