

Title (en)

Device for making pumpable mortar on the building site

Title (de)

Vorrichtung zur baustellenseitigen Herstellung von pumpfähigen Mörtelmassen

Title (fr)

Dispositif pour la fabrication de mortier apte à être pompé sur le chantier

Publication

EP 0584573 B1 19980325 (DE)

Application

EP 93112166 A 19930729

Priority

- DE 4318177 A 19930601
- DE 9211567 U 19920827

Abstract (en)

[origin: EP0584573A1] A screw mixing device (4) which can be charged with dry material is followed coaxially by a screw pump (7). The screw mixing device (4) and the screw pump (7) have a common drive unit (6, 6a). The common axis, directed obliquely upwards in the conveying direction, encloses an angle of between 10 DEG and 30 DEG with the horizontal. The mixing element (5) of the screw mixing device has a first section designed essentially for conveying the dry material as far as a water connector (11) and a second section designed for mixing the dry material with the water. The dry material may be dry mortar or only binder. In the latter case, the screw mixing device (4) has, at the level of its second section, an opening at the top for charging with sand. <IMAGE>

IPC 1-7

B28C 5/12

IPC 8 full level

B28C 5/08 (2006.01); **B28C 5/12** (2006.01); **B28C 5/38** (2006.01); **B28C 9/04** (2006.01)

CPC (source: EP)

B01F 27/2123 (2022.01); **B01F 27/61** (2022.01); **B01F 27/62** (2022.01); **B01F 27/70** (2022.01); **B01F 35/71775** (2022.01); **B28C 5/1292** (2013.01)

Cited by

IT201600123711A1; CN111764601A; CN106984237A; CN108908713A; CN107088965A; US10259140B1; CN116440792A; CN110076909A; GB2390089A; CN116277512A; CN110397440A; US12064901B2; US11285639B2; WO2024079505A1; CN108698001A; EP3646943A3; EP3659699A3

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