

Title (en)

Method and apparatus for applying mortar or concrete through spraying

Title (de)

Verfahren und Vorrichtung zum Auftragen eines Mörtels oder Betons durch Spritzen

Title (fr)

Procédé et dispositif pour appliquer un mortier ou béton par giclage

Publication

EP 0592793 B1 19980520 (DE)

Application

EP 93113616 A 19930826

Priority

DE 4234745 A 19921015

Abstract (en)

[origin: EP0592793A1] To produce sprayed concrete, a "lean" cement is not mixed with the aggregate in a mixer but rather brought together with the aggregate immediately before or during pneumatic conveying. In the case of the latter variant, the pneumatic conveying stream is charged first with the binder and then with the aggregate in two feeding stations (1; 2) connected one behind the other. The feeding of the material into the pneumatic conveying stream, with its intensively mixing effects, if appropriate also the mixing effect over the length of the conveying stream, replaces the mixing operation in a mixer. Under these conditions, the aggregate does not need to be dried. The duration during which the binder is subject to the moisture of the aggregate is reduced to seconds. There is no clotting or other disturbances of the conveying and of the mixing with the water at the spray nozzle. <IMAGE>

IPC 1-7

B28C 5/12

IPC 8 full level

B28C 5/06 (2006.01); **B28C 5/12** (2006.01)

CPC (source: EP)

B28C 5/06 (2013.01); **B28C 5/1238** (2013.01)

Cited by

CN102416669A; CN105484770A; CN111650119A; WO9605150A1; WO2016206426A1; WO2021051474A1; WO2021214398A1

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