

Title (en)

METHOD AND ARRANGEMENT FOR AUTOMATIC MIXING OF WATER AND CONCRETE FOR ROCK BOLTING

Title (de)

VERFAHREN UND ANORDNUNG ZUM AUTOMATISCHEN MISCHEN VON WASSER UND BETON ZUR GEBIRGSVERANKERUNG

Title (fr)

PROCEDE ET INSTALLATION DE MELANGE AUTOMATIQUE D'EAU ET DE BETON POUR VISSAGE DANS LA ROCHE

Publication

EP 1758718 B1 20100609 (EN)

Application

EP 05745006 A 20050520

Priority

- SE 2005000741 W 20050520
- SE 0401616 A 20040623

Abstract (en)

[origin: WO2006001743A1] Method and arrangement for automatic mixing of water and concrete for rock bolting including adding water and concrete to a mixing vessel (1), mixing the water and concrete, and transferring the water and concrete to a drill hole(2). Water amount and concrete amount for the mixture of water and concrete is calculated in a control unit (3), that the calculated water amount is added to the mixing vessel (1), that the in the reality added water amount is weighed (4), that the calculated concrete amount is corrected considering the in the reality added water amount to obtain a correct mixture of water and concrete, that concrete and water are mixed during a predetermined time, and in that the mixture of water and concrete is transferred to a drill hole (2).

IPC 8 full level

B28B 7/02 (2006.01); **B01F 15/04** (2006.01); **B28C 7/02** (2006.01); **B28C 7/04** (2006.01); **B28C 7/12** (2006.01); **B28C 9/00** (2006.01); **E21D 20/00** (2006.01); **E21D 20/02** (2006.01); **B01F 7/00** (2006.01); **B01F 7/16** (2006.01)

IPC 8 main group level

B28C (2006.01)

CPC (source: EP)

B01F 35/881 (2022.01); **B28C 7/02** (2013.01); **B28C 7/0422** (2013.01); **B28C 9/004** (2013.01); **E21D 20/00** (2013.01); **B01F 27/80** (2022.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006001743 A1 20060105; AT E470546 T1 20100615; AU 2005257699 A1 20060105; AU 2005257699 B2 20100304; CA 2563383 A1 20060105; CA 2563383 C 20131029; DE 602005021783 D1 20100722; EP 1758718 A1 20070307; EP 1758718 B1 20100609; NO 20070409 L 20070122; NO 331760 B1 20120319; SE 0401616 D0 20040623; SE 0401616 L 20050920; SE 526474 C2 20050920

DOCDB simple family (application)

SE 2005000741 W 20050520; AT 05745006 T 20050520; AU 2005257699 A 20050520; CA 2563383 A 20050520; DE 602005021783 T 20050520; EP 05745006 A 20050520; NO 20070409 A 20070122; SE 0401616 A 20040623