

Title (en)  
GROUT PREPARATION AND ADMINISTRATION

Title (de)  
VERGUSSMATERIALHERSTELLUNG UND -ZUFÜHRUNG

Title (fr)  
PRÉPARATION ET ADMINISTRATION DE COULIS

Publication  
**EP 3250353 A4 20181114 (EN)**

Application  
**EP 16743791 A 20160126**

Priority  
• SE 1550080 A 20150127  
• SE 2016050048 W 20160126

Abstract (en)  
[origin: WO2016122381A1] A method of preparing and administering grout (G) for injection into multiple or large diameter boreholes in rock or soil, whereby a batch of grout having a predetermined composition is prepared by controlled addition of predetermined quantities of ingredients, such as water, cement and additives, from a respective supply (2-5) to two or more mixers (6A-6N) for mixing therein, a prepared grout quantity is detected by positive weighing of the grout prepared in a mixer and prepared grout is then fed to an agitator (7) from which grout is pumped on demand to injection equipment (8) for injection into boreholes. The method includes a continuous detection of the output quantity of grout from the agitator and thereby of the grout supplied to the injection equipment by negative weighing, i.e. weighing of remaining grout in the agitator to thereby enable calculation of a mass flow rate, e.g. the amount of grout withdrawn from the agitator in a given time and thereby of the required total mixer capacity for a specific batch. An apparatus for performing the method is also provided.

IPC 8 full level  
**B01F 13/10** (2006.01); **B01F 15/04** (2006.01); **B01F 33/81** (2022.01); **B01F 33/82** (2022.01); **B01F 35/21** (2022.01); **B01F 35/83** (2022.01); **B01F 35/88** (2022.01); **B28C 7/02** (2006.01); **B28C 7/04** (2006.01); **B28C 9/00** (2006.01)

CPC (source: EP SE)  
**B01F 33/813** (2022.01 - EP); **B01F 33/821** (2022.01 - EP); **B01F 35/2117** (2022.01 - EP); **B01F 35/832** (2022.01 - SE); **B01F 35/881** (2022.01 - SE); **B28C 7/02** (2013.01 - EP); **B28C 7/0404** (2013.01 - SE); **B28C 7/044** (2013.01 - EP); **B28C 7/0481** (2013.01 - SE); **B28C 9/002** (2013.01 - EP SE); **B28C 9/004** (2013.01 - SE); **B01F 2101/28** (2022.01 - SE)

Citation (search report)  
• [A] US 2013269735 A1 20131017 - ROETZEL GARY WADE [US], et al  
• [A] US 2013265843 A1 20131010 - MATYE REINHARD [US]  
• See references of WO 2016122381A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2016122381 A1 20160804**; EP 3250353 A1 20171206; EP 3250353 A4 20181114; SE 1550080 A1 20160712; SE 538466 C2 20160712

DOCDB simple family (application)  
**SE 2016050048 W 20160126**; EP 16743791 A 20160126; SE 1550080 A 20150127