

Title (en)  
Method and apparatus for mixing slurry

Title (de)  
Verfahren und Vorrichtung zum Mischen von Schlamm

Title (fr)  
Procédé et appareil de mélange de coulis de ciment

Publication  
**EP 2206548 A1 20100714 (EN)**

Application  
**EP 09015822 A 20091222**

Priority  
GB 0900166 A 20090108

Abstract (en)  
A method of mixing slurry within a slurry tank comprising the steps of calculating the gauge pressure at the bottom of the slurry tank as a function of the slurry density and/or slurry consistency and the tank dimensions, locating a plurality of nozzles in the bottom of the tank and passing air from an air supply through said nozzles at a pressure and/or flow rate determined as a function of the calculated slurry gauge pressure and an apparatus for mixing slurry in a slurry tank (1), said apparatus comprising a kit of parts comprising a plurality of air supply pipes, a plurality of connection members for joining said air supply pipes, a plurality of outlet nozzles (10) connectable to said air supply pipes for passing air into slurry contained within the slurry tank, an air supply for supplying air to the assembled air supply pipes, connection members and outlet nozzles, and a computer program for calculating the pressure and/or flow rate of the air to be supplied to the assembled air supply pipes, connection members and outlet nozzles located within the bottom of the slurry tank by the air supply as a function of the slurry density and/or slurry consistency and the tank dimensions, and a control device for controlling the air supply to achieve said calculated air pressure and/or flow rate.

IPC 8 full level  
**B01F 33/40** (2022.01)

CPC (source: EP)  
**B01F 23/023** (2022.01); **B01F 23/231** (2022.01); **B01F 23/23105** (2022.01); **B01F 23/23113** (2022.01); **B01F 23/237611** (2022.01); **B01F 35/2209** (2022.01); **B01F 35/2211** (2022.01); **B01F 2101/005** (2022.01)

Citation (search report)

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