

Title (en)  
Method and apparatus for moisturizing dusting material

Title (de)  
Verfahren und Vorrichtung zum Befeuchten von staubenden Material

Title (fr)  
Procédé et appareil d'humidification de matériau pulvérulent

Publication  
**EP 1955759 B1 20100728 (EN)**

Application  
**EP 08397504 A 20080204**

Priority  
FI 20075072 A 20070202

Abstract (en)  
[origin: EP1955759A2] Arrangement for mixing a liquid with a flowing solid substance, comprising a reaction chamber (1), a connection (2) for feeding the flowing solid substance to the reaction chamber (1), a connection (3) for removing the mixed substance from the reaction chamber (1), and a connection (13) for feeding the liquid to the reaction chamber (1). For mixing the liquid there are elements (10) for feeding the liquid to the reaction chamber (1) in the form of droplets and elements (11,12,15) for feeding a compressed gas to the reaction chamber (1). On the central axis of the reaction chamber (1) is preferably arranged a mixer shaft (6), which comprises elements (9-12) for feeding the liquid and the gas to the reaction chamber from the outer surface of the shaft (6).

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CPC (source: EP)  
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