

Title (en)  
Percolation of hygroscopic bulk material

Title (de)  
Perkolation von hygroskopischem Schüttgut.

Title (fr)  
Percolation de matériau hygrosopique en vrac

Publication  
**EP 1707909 A2 20061004 (EN)**

Application  
**EP 06007073 A 20060403**

Priority  
GC P20054504 A 20050402

Abstract (en)  
The phenomenon of caking of hygroscopic particulates is analyzed. Mechanical reconditioning of agglomerated material does not prevent the problem of caking to reoccur, either in bags or other storage areas. Percolation of dry air in the bulk hall utilizes the prolonged residence time in the bulk hall to improve the handling quality of the product once and for all. A simple grid arrangement (3) at the bottom of particulates piles (4) distributes dry air over a certain period, significantly improving the quality of the product.

IPC 8 full level  
**F26B 9/10** (2006.01)

CPC (source: EP)  
**F26B 9/103** (2013.01)

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1707909 A2 20061004; EP 1707909 A3 20071114; EG 24340 A 20090209**

DOCDB simple family (application)  
**EP 06007073 A 20060403; EG 2005060281 A 20050608**