

Title (en)  
Method and device for sieving out particles

Title (de)  
Verfahren und Vorrichtung zum Aussieben von Partikeln

Title (fr)  
Procédé et dispositif destinés au criblage de particules

Publication  
**EP 2055395 B1 20141015 (DE)**

Application  
**EP 08167886 A 20081030**

Priority  
DE 102007052473 A 20071102

Abstract (en)  
[origin: EP2055395A2] The method involves utilizing a film or a plate as a cover. Longitudinal extension of a particle is larger than an aperture of a screen (18) forms a screen surface. Longitudinal extension of another particle (20) is same or smaller than the aperture of the screen. The film is applied on the particles by gravitation effect. The film or the plate is pivotable transverse to a conveying direction of a granulate material on the screen surface such that adjustment of a gap running between the screen surface and the cover is independent of size and/or form of the particles. The material e.g. silicon dioxide, is used as base material for the production of quartz, glasses and ceramic materials such as silicon carbide, aluminum oxide and silicon nitride. An independent claim is also included for a device for screening of particles from a granulate material.

IPC 8 full level  
**B07B 1/28** (2006.01); **B07B 4/08** (2006.01); **B07B 13/00** (2006.01); **B07B 13/05** (2006.01); **B07B 13/10** (2006.01); **B07B 13/16** (2006.01)

CPC (source: EP US)  
**B07B 1/28** (2013.01 - EP US); **B07B 4/08** (2013.01 - EP US); **B07B 9/00** (2013.01 - EP US); **B07B 13/003** (2013.01 - EP US); **B07B 13/05** (2013.01 - EP US); **B07B 13/10** (2013.01 - EP US); **B07B 13/16** (2013.01 - EP US)

Cited by  
CN106825393A; CN109849216A; CN110180780A; EP2774692A1; CN108816347A; CN114602789A; DE102014225105A1; EP3050689A2; DE102014225105B4

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

DOCDB simple family (publication)  
**EP 2055395 A2 20090506; EP 2055395 A3 20110330; EP 2055395 B1 20141015**; DE 102007052473 A1 20090507; ES 2520041 T3 20141111; US 2009134073 A1 20090528; US 7959008 B2 20110614

DOCDB simple family (application)  
**EP 08167886 A 20081030**; DE 102007052473 A 20071102; ES 08167886 T 20081030; US 28971408 A 20081031