

Title (en)  
Method and device for sorting particles

Title (de)  
Verfahren und Vorrichtung zum Sortieren von Partikeln

Title (fr)  
Procédé et dispositif de tri de particules

Publication  
**EP 2156904 A1 20100224 (DE)**

Application  
**EP 09014497 A 20080204**

Priority  
• EP 09014497 A 20080204  
• EP 08002067 A 20080204

Abstract (en)  
The method involves sorting particles (1) in two classification stages in a chronological or spatial sequence according to their particle geometry. A classification of the particles according to a mean particle size is carried out for the sorting of the particles according to their parameters during one stage. A classification of the particles is carried out according to a minimal particle size during another stage. An independent claim is included for an apparatus for sorting particles.

Abstract (de)  
Die vorliegende Erfindung betrifft ein Verfahren und eine Vorrichtung zum Sortieren von Partikeln, wobei in einer zeitlichen und/oder räumlichen Abfolge Partikel in zumindest zwei Klassierstufen nach ihrer Partikelform sortiert werden, sowie deren Verwendungen.

IPC 8 full level  
**B07B 13/00** (2006.01); **B07B 1/28** (2006.01)

CPC (source: EP US)  
**B07B 1/282** (2013.01 - EP US); **B07B 1/286** (2013.01 - EP US); **B07B 13/003** (2013.01 - EP US); **B07B 2201/04** (2013.01 - EP US)

Citation (applicant)  
• DE 102006001043 A1 20070719 - UNIV FREIBERG BERGAKADEMIE [DE]  
• US 1955032 A 19340417 - STEVENSON JR WINFIELD W  
• US 4254878 A 19810310 - MARSH PAUL G

Citation (search report)  
• [A] US 1955032 A 19340417 - STEVENSON JR WINFIELD W  
• [A] WO 2005014788 A2 20050217 - UNIV VIRGINIA [US], et al  
• [A] US 4254878 A 19810310 - MARSH PAUL G

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

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AL BA MK RS

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**EP 2085150 A1 20090805**; **EP 2085150 B1 20130515**; AU 2009211837 A1 20090813; AU 2009211837 B2 20120802; BR PI0905947 A2 20190827; CA 2712839 A1 20090813; CA 2712839 C 20140401; CN 101952054 A 20110119; CN 101952054 B 20140820; EP 2156903 A1 20100224; EP 2156903 B1 20131204; EP 2156904 A1 20100224; EP 2156904 B1 20131211; ES 2419980 T3 20130821; ES 2448428 T3 20140313; ES 2449484 T3 20140319; JP 2011510812 A 20110407; JP 5453317 B2 20140326; MX 2010007904 A 20101125; PL 2085150 T3 20131031; PL 2156903 T3 20140430; PL 2156904 T3 20140430; US 2011031169 A1 20110210; WO 2009098013 A2 20090813; WO 2009098013 A3 20100325; ZA 201005131 B 20110928

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**EP 08002067 A 20080204**; AU 2009211837 A 20090202; BR PI0905947 A 20090202; CA 2712839 A 20090202; CN 200980104102 A 20090202; EP 09014496 A 20080204; EP 09014497 A 20080204; EP 2009000668 W 20090202; ES 08002067 T 20080204; ES 09014496 T 20080204; ES 09014497 T 20080204; JP 2010545391 A 20090202; MX 2010007904 A 20090202; PL 08002067 T 20080204; PL 09014496 T 20080204; PL 09014497 T 20080204; US 84929710 A 20100803; ZA 201005131 A 20100719