

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 2085150 A1 20090805 (DE)

Application
EP 08002067 A 20080204

Priority
EP 08002067 A 20080204

Abstract (en)
The method involves sorting particles (1) in two classifying stages according to their particle form in a temporal or spatial succession. The sorting of the particles takes place after their particle geometry (a,b,c). The sorting takes place by two or three-dimensional classification. The classification takes place in a swinging or non swinging, particularly bent classification level. An independent claim is included for a device for sorting of particles, particularly coal for blast furnaces.

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)

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

Cited by
EP2277633A1; CN117427884A

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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

DOCDB simple family (application)
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