

Title (en)

Jet mill with integrated dynamic sifter

Title (de)

Strahlmühle mit integriertem dynamischen Sichter

Title (fr)

Broyeur à jets avec séparateur dynamique intégré

Publication

EP 1749578 A1 20070207 (DE)

Application

EP 06015209 A 20060721

Priority

DE 102005036211 A 20050802

Abstract (en)

Jet mill has a dynamic sifter (55) containing a dimension wheel (45) and dimension zone (4) which contains separate conveying section (3) and separate coarse material return (6) in grinding area (2). Product entry (1) and fine material outlet (5) are integrated. Grinding material (54) is classified by dynamic sifter and grinding material is introduced in the product entry and afterwards material is ground and is obtained as fine material at the fine material outlet. An independent claim is also included for the method for grinding.

IPC 8 full level

B02C 19/06 (2006.01)

CPC (source: EP US)

B02C 19/063 (2013.01 - EP US)

Citation (applicant)

- US 2032827 A 19360303 - ANDREWS NORWOOD H
- US 1847009 A 19320223 - LUDWIG KOLLBOHM
- DE 1159744 B 19631219 - CONDUX WERK
- US 2237091 A 19410401 - STEPHANOFF NICHOLAS N
- DE 3730597 A1 19880317 - NISSHIN FLOUR MILLING CO [JP], et al
- DE 2042626 A1 19711021
- DE 2040519 A1 19720217 - ALPINE AG
- DE 4003255 A1 19910808 - BAYER AG [DE]

Citation (search report)

- [X] DE 1607489 B1 19710513 - FLUID ENERGY PROC AND EQUIPMEN
- [X] DE 4431534 A1 19950817 - NIED ROLAND [DE]

Cited by

EP2101918A1

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1749578 A1 20070207; BR PI0603091 A 20070320; CA 2554080 A1 20070202; CA 2554080 C 20130723; CN 1907572 A 20070207; CN 1907572 B 20120613; DE 102005036211 A1 20070208; JP 2007038221 A 20070215; JP 5213315 B2 20130619; US 2007029416 A1 20070208; US 7681814 B2 20100323

DOCDB simple family (application)

EP 06015209 A 20060721; BR PI0603091 A 20060801; CA 2554080 A 20060727; CN 200610138874 A 20060802; DE 102005036211 A 20050802; JP 2006210299 A 20060801; US 49597806 A 20060728