Title (en)

SOLID PARTICLE MANUFACTURE

Title (de)

FESTSTOFFTEILCHENHERTSELLUNG

Title (fr)

FABRICATION DE PARTICULES SOLIDES

Publication

EP 1044161 A4 20020710 (EN)

Application

EP 98948071 A 19980914

Priority

- US 9818169 W 19980914
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Abstract (en)

[origin: WO9919251A1] A method for making solid particles containing a mixture of solid crystalline metal oxide and/or salt compounds comprising the steps of: admixing particulate metal compounds to form a dry solids blend of at least two different crystalline solids; comminuting coarse, dry blended particulate solids, preferably in a micronizer mill by impelling the solids blend with high pressure dry inert gas against a hard plate surface, thereby producing finely-divided crystalline solids; recovering a comminuted solids blend having an average particle size of about 1-5 microns; forming an aqueous slurry of the comminuted solids blend, preferably having a weight ratio of free water to solids less than 2:1; drying the aqueous slurry to form agglomerated particles having an average size range greater than about 20 microns; and recovering dry agglomerated particles having enhanced attrition resistance and particle size uniformity. This manufacturing method is particularly useful in making multi-component contact solids.

IPC 1-7

C01B 7/00; B01J 2/04; B01J 8/00; B01J 20/06; B01J 20/30; B01J 23/06; B01J 35/02; B01J 37/00; C01B 13/14

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Citation (search report)

- No further relevant documents disclosed
- See also references of WO 9919251A1

Designated contracting state (EPC)

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