

Title (en)

METHOD FOR STRONGLY REDUCING THE SIZE OF GRANULAR MATERIALS

Title (de)

VERFAHREN ZUR STARKEN REDUZIERUNG DER GRÖSSE VON GRANULATMATERIAL

Title (fr)

PROCEDE DE FORTE REDUCTION DE LA TAILLE DE MATERIAU EN GRANULES

Publication

EP 3292913 A1 20180314 (EN)

Application

EP 16188026 A 20160909

Priority

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Abstract (en)

This invention provides a process for reducing the average particle size of a granular material by a factor of at least 20 by: - providing a mixing vessel equipped with (A) a high speed disperser and (B) a rotor stator mixer, - providing a liquid medium to the mixing vessel, - switching on the high speed disperser (A) at a speed ranging from 1 to 50 m/s, - adding to the mixing vessel a granular material having an average particle size ranging from 1 to 5 mm, - operating the high speed disperser (A) for a period of time sufficient to reduce the average size of the granular material by a factor of at least about 10, thus producing granules of an intermediate average size ranging from 0.1 to 0.5 mm, and - switching on the rotor stator mixer (B) and operating it for a period of time sufficient to reduce the average size of the intermediate granules by a factor of at least about 2.

IPC 8 full level

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Citation (applicant)

EP 2586849 A2 20130501 - FR MASTER BVBA [BE]

Citation (search report)

- [AD] EP 2586849 A2 20130501 - FR MASTER BVBA [BE]
- [A] US 2012040168 A1 20120216 - ENGBRECHT DICK C [US], et al
- [A] US 2009005589 A1 20090101 - HASSAN ABBAS [US], et al
- [A] US 2003215639 A1 20031120 - SCHUMACHER KAI [DE], et al

Designated contracting state (EPC)

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