

Title (en)
ROTATING GAP GRANULATION

Title (de)
ROTATIONSSPALTGRANULATION

Title (fr)
GRANULATION A FENTE PAR ROTATION

Publication
EP 1753527 A1 20070221 (DE)

Application
EP 05731671 A 20050314

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• EP 2005051125 W 20050314
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Abstract (en)
[origin: WO2005118123A1] The invention relates to method for producing granules. Methods for producing granules are diversely used in chemical process engineering, for example, for producing starting materials for shaped bodies and, to be precise, for brake linings and sealing elements. The inventive method for producing granules from fibrous, powdery and liquid components in a mixing receptacle of a mixer provides that by rotating at least one mixing tool inside the mixing receptacle in a first direction of rotation, a compacting effect upon the components is achieved between the mixing tool and a wall section of the mixing receptacle. For example, this is achieved by appropriately sloped surfaces on the mixing tool, which push the components located inside the mixing receptacle toward a wall section. The inventive compacting effect enables an improved formation of granules. The mixer can be a conventional vertical mixer. The granulates have an advantageously rounded shape and size, for example, of the size of matchstick heads. In addition, the granule is comparatively dust-free and homogeneous. The granule thus depicts an improved starting product, e.g. for shaped bodies and, to be precise, for braking linings and sealing elements.

IPC 8 full level
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CPC (source: EP US)
B01J 2/10 (2013.01 - EP US)

Citation (search report)
See references of WO 2005118123A1

Citation (examination)
GB 2230709 A 19901031 - TWEEDY OF BURNLEY LTD [GB]

Citation (third parties)
Third party :
WO 0137662 A1 20010531 - DCT APS [DK], et al

Cited by
CN103946177A

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