

Title (en)

COMMUNUTING AND DISPERSING APPARATUS

Title (de)

ZERKLEINERUNGS- UND DISPERGIERVORRICHTUNG

Title (fr)

DISPOSITIF DE BROYAGE ET DE DISPERSION

Publication

EP 2403632 B1 20130327 (DE)

Application

EP 09775844 A 20090306

Priority

DE 2009000318 W 20090306

Abstract (en)

[origin: WO2010099767A1] In an apparatus (100) for dispersing in particular liquid to viscous substance mixtures and for comminuting particles and suspensions, comprising a batch container having one or more openings (120) for introducing the substances to be worked and one or more openings (130) for discharging the processed substances, and a process chamber (140) having a rotor (150) and a stator (160), wherein the rotor (150) is mounted rotatably about a rotational axis (150) for the purpose of working substances introduced into the process chamber (140), an effective process is achieved in that the stator (160) has a working surface (161), which is disposed at an incline of an angle W_1 with respect to the rotational axis (155) of the rotor (150), and the rotor (150) has a working surface (151), which is disposed at an incline of an angle $W_2 > W_1$ with respect to the rotational axis (155) of the rotor (150) such that the working surfaces (161, 151) of the stator (160) and rotor (150) are disposed at an acute angle relative to each other and a process chamber (140), which has a hollow conical cross-section and in which the introduced substances are dispersed, comminuted and homogenized, is formed between the rotor (150) and stator (160).

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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