

Title (en)

ROTOR/STATOR SYSTEM AND PROCESS FOR PRODUCING DISPERSIONS

Title (de)

ROTOR-STATOR-SYSTEM UND VERFAHREN ZUM HERSTELLEN VON DISPERSIONEN

Title (fr)

SYSTÈME ROTOR-STATOR ET PROCEDE POUR LA PRODUCTION DE DISPERSIONS

Publication

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Application

EP 09741843 A 20090430

Priority

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Abstract (en)

[origin: WO2009135624A2] In order to create a rotor/stator system in a simple design manner, with which stable dispersions can be produced in one passage and which can be adapted to changing requirements in regard to the composition of the dispersion, the invention provides a stator (1) for a rotor/stator system (6) having a dispersion region (17), which together with a rotor (4) corresponding to the stator (1) defines a dispersion chamber (7) of the rotor/stator system (6), and further having an inlet (15) for feeding a first component of a dispersion into the dispersion region (17), wherein at least one pre-mixing chamber (2) is arranged inside the stator and outside the dispersion region (17), said chamber opening into the dispersion region (17). The stator (1) comprises at least one inlet (25) for feeding a further component of the dispersion from outside the stator (1) into the pre-mixing chamber (2). The stator (1) is configured such that, during operation of the stator, components of the dispersion enter from the dispersion region (17) and from the inlet (25) into the pre-mixing chamber (2), are mixed with each other and exit from the pre-mixing chamber (2) into the dispersion region (17).

IPC 8 full level

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Citation (search report)

See references of WO 2009135624A2

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