

Title (en)
ROTOR-STATOR-DEVICE FOR DISPERSING OR HOMOGENISING

Title (de)
ROTOR-STATOR-VORRICHTUNG ZUM DISPERGIEREN ODER HOMOGENISIEREN

Title (fr)
DISPOSITIF ROTOR-STATOR POUR LA DISPERSION OU L'HOMOGENÉISATION

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Abstract (en)
[origin: WO2009062610A1] The invention relates to a device (1) that is used to disperse or homogenise according to the flow-through principle. Said device comprises at least one tool that comprises a rotor (2) and a stator (3), expediently, several tools of said type that are arranged in an axial manner behind one another, that are arranged in a chamber (4) through which a medium that is to be treated flows. The rotor(s) is/are driven by a motor (6) via a magnetic coupling (5) and the magnetic coupling (5) comprises a stationary separating can (9) between a drive-sided, rotationally-driven drive coupling part (7) and a driven coupling part (8), such that expensive cooled shaft sealings can be avoided. The drive coupling part (7) that is on the drive side engages in a recess-shaped or hollow-shaped cylindrical driven coupling part (8) that is on the driven side and the separating can (9) is arranged between both coupling parts. As a result, the driven coupling part (8) and the separating can (9) are cooled by the medium that is to be treated.

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