

Title (en)

MIXING APPARATUS COMPRISING A ROTOR AND A STATOR

Title (de)

MISCHVORRICHTUNG MIT EINEM ROTOR UND EINEM STATOR

Title (fr)

APPAREIL DE MÉLANGE COMPRENANT UN ROTOR ET UN STATOR

Publication

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Application

**EP 19804201 A 20190409**

Priority

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Abstract (en)

[origin: WO2019221652A1] According to the present invention, there is provided a mixing apparatus (10) for mixing fluids. The apparatus comprises a housing (12) having a mixing chamber (14). At least one inlet opening (18) communicates with the mixing chamber (14), wherein the inlet opening (18) enabling fluids to be fed into the mixing chamber (14). At least one outlet (22) is provided in the housing (12) and communicates with the mixing chamber (14). A rotor (24) is arranged in the mixing chamber (14) and is adapted to be connected to a drive shaft (28) to rotate with the drive shaft. The rotor (24) includes mixing elements (32) arranged around the rotor (24) and along its extension, wherein the rotor (24) includes a discharge end (34) arranged with discharging elements (36) for discharging the fluids radially. A stator (38) is arranged in the mixing chamber (14) and includes a number of stator openings (40) allowing mixed fluids discharged by the discharging elements (36) of the rotor (24) to flow radially through the stator openings (40) from the mixing chamber (14) and further toward the at least one outlet (22), wherein a tangential movement of the discharged fluids is prevented.

IPC 8 full level

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