

Title (en)
EMULSIFYING SYSTEM AND EMULSIFYING PROCESS

Title (de)
EMULGIERSYSTEM UND EMULGIERVERFAHREN

Title (fr)
SYSTÈME D'ÉMULSIFICATION ET PROCÉDÉ D'ÉMULSIFICATION

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EP 3377752 A1 20180926 (DE)

Application
EP 16826706 A 20161121

Priority
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Abstract (en)
[origin: WO2017084765A1] Disclosed is an emulsifying system comprising an emulsifying device and an injection nozzle, and an emulsifying device for producing a water-fuel emulsion for an internal combustion engine. The emulsifying device is designed as a rotor-stator emulsifying system and/or a turbomachine, and/or is directly connected or can be directly connected to an injection nozzle. The emulsifying device has a housing and a shaft, the shaft being drivable in a contactless manner, the housing having a guide system with multiple guide channels for guiding the flow, and/or the housing being at least partially produced from a fibre-composite material. Also disclosed is an emulsifying process for producing a water-fuel emulsion, wherein water and fuel are supplied to a rotor-stator emulsifying system and/or turbomachine for producing the water-fuel emulsion, and/or water and fuel are pre-mixed in a first emulsifying stage and supplied to a second emulsifying stage via a guide system comprising multiple guide channels.

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Citation (search report)
See references of WO 2017084765A1

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