

Title (en)

ELECTRICAL SCREW SPINDLE COOLANT PUMP

Title (de)

ELEKTRISCHE SCHRAUBENSPINDEL-KÜHLMITTELPUMPE

Title (fr)

POMPE À VIS À LIQUIDE DE REFROIDISSEMENT ÉLECTRIQUE

Publication

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Application

EP 19817281 A 20191209

Priority

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Abstract (en)

[origin: WO2020164776A1] The invention relates to an electrical screw spindle coolant pump, which is suitable for conveying a coolant circuit or other corrosive, liquid media. The electrical screw spindle coolant pump has a spindle housing (1) with a spindle chamber (10) and an axially adjacent motor housing (3). The invention is characterized in that the motor housing (3) comprises a motor chamber (30), in which a dry-running electric motor (4) is arranged separated from the flow current; and the motor housing (3) has a thermal transition portion (31) through which the flow current flows, which thermal transition portion is arranged between the motor chamber (30) and a component boundary of the motor housing (3) to the spindle housing (1).

IPC 8 full level

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