

Title (en)

CENTRIFUGAL PUMP HAVING INCREASED OPERATIONAL SAFETY

Title (de)

ZENTRIFUGALPUMPE MIT EINER ERHÖHTEN BETRIEBSSICHERHEIT

Title (fr)

POMPE CENTRIFUGE PRÉSENTANT UNE SÉCURITÉ DE FONCTIONNEMENT ACCRUE

Publication

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Application

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Abstract (en)

[origin: CA2705915A1] The invention relates to an electric centrifugal pump (1) for conveying a fluid, in particular for conveying fuel to an aircraft engine, comprising a housing (2) in which a rotor shaft (3) is rotationally mounted and an impeller (4) for conveying the fuel is arranged on said rotor shaft (3). A motor arrangement is provided for driving the rotor shaft (3) in a rotary manner about a rotor axis (5). According to the invention, said impeller (4) comprises at least one rotor (6) and at least one stator (7) is arranged in the housing (2) in a plane-parallel manner adjacent to the rotor (6), such that said rotor (6) and the stator (7) form the motor arrangement.

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