

Title (en)

Electrically-driven fuel feed pump.

Title (de)

Brennstoffpumpe mit elektrischem Antrieb.

Title (fr)

Pompe à alimentation de combustible entraînée électriquement.

Publication

EP 0196469 A1 19861008 (EN)

Application

EP 86102686 A 19860301

Priority

IT 6728185 A 19850322

Abstract (en)

The pump according to the invention comprises an electric motor, a pumping unit driven by the electric motor, and a casing (21) for supporting said motor and unit, this latter comprising a housing (4) in which an impeller (5) is rotatable for rotation by a shaft (17) driven by the electric motor; the pump is characterised in that said pumping unit comprises for the impeller an annular support element (13) rigid with said housing and provided with at least one cylindrical support surface (15) arranged to engage with a corresponding cylindrical surface (14) of said impeller in order to support the rotating impeller in the housing, the impeller and the end of said shaft being provided with insertion-joint means (18, 19) arranged to make said shaft torsionally rigid with the impeller.

IPC 1-7

F04C 11/00; F04C 15/00

IPC 8 full level

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CPC (source: EP)

F02M 37/08 (2013.01); **F04C 11/008** (2013.01); **F04C 15/0076** (2013.01)

Citation (search report)

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EP 0196469 A1 19861008; **EP 0196469 B1 19900207**; BR 8601540 A 19861209; DE 3668952 D1 19900315; ES 553281 A0 19861201; ES 8701903 A1 19861201; IT 1184924 B 19871028; IT 8567281 A0 19850322; IT 8567281 A1 19860922; SU 1512493 A3 19890930

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EP 86102686 A 19860301; BR 8601540 A 19860324; DE 3668952 T 19860301; ES 553281 A 19860321; IT 6728185 A 19850322; SU 4027199 A 19860321