

Title (en)

TURBOPUMP FOR A FLUID CIRCUIT, PARTICULARLY FOR A CLOSED CIRCUIT PARTICULARLY OF THE RANKINE CYCLE TYPE

Title (de)

TURBOPUMPE FÜR EINEN FLÜSSIGKEITSKREISLAUF, INSBESONDERE FÜR EINEN GESCHLOSSENEN KREISLAUF, INSBESONDERE EINEN RANKINE-KREISLAUF

Title (fr)

TURBOPOMPE POUR UN CIRCUIT FLUIDIQUE, NOTAMMENT POUR UN CIRCUIT FERME EN PARTICULIER DE TYPE A CYCLE DE RANKINE

Publication

EP 3592977 A1 20200115 (FR)

Application

EP 18706447 A 20180212

Priority

- FR 1751848 A 20170307
- EP 2018053453 W 20180212

Abstract (en)

[origin: WO2018162175A1] The invention relates to a turbopump (10) comprising a stationary housing (12) comprising a pump (16) with a pump rotor (14) comprising pump vanes (28) and a turbine (20) housing a turbine rotor (18) provided with turbine vanes (44). According to the invention, the turbopump comprises a turbine rotor (18) coaxially arranged around the rotor of the pump (16) in a plane perpendicular to said rotors.

IPC 8 full level

F04D 13/04 (2006.01)

CPC (source: EP US)

F01K 25/08 (2013.01 - US); **F04D 13/043** (2013.01 - EP US); **F04D 29/406** (2013.01 - US)

Citation (search report)

See references of WO 2018162175A1

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