

Title (en)  
KINETIC TURBOPUMP WITH SPEED-VARYING DEVICE FOR A CLOSED CIRCUIT, PARTICULARLY OF THE RANKINE CYCLE TYPE,  
NOTABLY FOR A MOTOR VEHICLE

Title (de)  
KINETISCHE TURBOPUMPE MIT DREHZAHIVERÄNDERLICHER VORRICHTUNG FÜR EINEN GESCHLOSSENEN KREISLAUF,  
INSBESONDERE VOM RANKINE-KREISLAUF-TYP, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)  
TURBOPOMPE CINETIQUE AVEC UN DISPOSITIF DE VARIATION DE VITESSE POUR UN CIRCUIT FERME, EN PARTICULIER DE TYPE A  
CYCLE DE RANKINE, NOTAMMENT POUR UN VEHICULE AUTOMOBILE

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Abstract (en)  
[origin: WO2019048319A1] The present invention relates to a turbopump comprising a fixed casing (12, 12'; 112) comprising a pump (16, 116) with a pump rotor (14, 114) borne by a pump shaft (18, 118) and a turbine (22, 122) housing a turbine rotor (20, 120) borne by a turbine shaft (24, 124). According to the invention, the pump shaft (18, 118) is separate from the turbine shaft (24, 124) and the turbopump comprises a speed-varying device (26, 126) for generating a difference in rotational speed between the pump shaft (118, 118) and the turbine shaft (24, 124).

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