

Title (en)

DRIVE FOR A TURBINE AND DRIVE METHOD

Title (de)

ANTRIEB FÜR EINE TURBINE NEBST ANTRIEBSVERFAHREN

Title (fr)

ENTRAÎNEMENT POUR UNE TURBINE ET PROCÉDÉ D'ENTRAÎNEMENT

Publication

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Application

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Abstract (en)

[origin: WO2010142709A1] The invention relates to a drive for a turbine, in particular an aircraft turbine, and a method for operating such a turbine. According to the invention, a drive for a turbine is provided with a compressor (1) for compressing air, a nozzle (14) for injecting a first fuel into the compressed air, and a combustion chamber (16) for igniting the air-fuel mixture. The drive also comprises a further nozzle (7) for injecting a second fuel. The nozzle for injecting a first fuel is used to start the drive. Therefore, the first fuel is a conventional fuel, in particular kerosene. The second nozzle is used to inject a novel fuel, which at least initially is a liquefied gas. In particular, a mixture and bio-LNG having a high calorific value is used as the liquefied gas.

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US 2004118121 A1 20040624 - PARKMAN KENNETH [CA], et al

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