

Title (en)

DEVICE AND A DRIVE SYSTEM, IN PARTICULAR FOR SHIPS, WHICH COMPRISES A DEVICE OF THIS TYPE

Title (de)

VORRICHTUNG SOWIE EINE SOLCHE UMFASSENDES ANTRIEBSSYSTEM, INSBESONDERE FÜR SCHIFFE

Title (fr)

DISPOSITIF ET SYSTÈME D'ENTRAÎNEMENT COMPRENANT UN TEL DISPOSITIF, EN PARTICULIER POUR NAVIRES

Publication

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Application

**EP 14726329 A 20140506**

Priority

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Abstract (en)

[origin: WO2014195070A1] The invention relates to a device (100) comprising: - an electric motor/generator unit (200) which can be switched over from an engine mode into a generator mode and vice versa and has a stator (200a) and a rotor (200b) which has a rotor rotational axis (200c), and a drive shaft (300) which is arranged concentrically with respect to the rotor rotational axis (200c) and is connected to the rotor (200b), - a compressor (400), - a turbine (500) which is mounted on a side of the rotor (200b), which side lies opposite the compressor impeller (400a), and wherein the compressor (400) and the turbine (500) are arranged decoupled from one another by way of at least one decoupling arrangement (600a, 600b), wherein there are at least two decoupling arrangements (600a, 600b), wherein a first decoupling arrangement (600a) of the decoupling arrangements (600a, 600b) is arranged between the compressor (400) and the electric motor/generator unit (200), and a second decoupling arrangement (600b) is arranged between the turbine (500) and the electric motor/generator unit (200).

IPC 8 full level

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Citation (search report)

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