

Title (en)

DEMAGNETIZATION-PROTECTED PERMANENT MAGNET SHIP PROPULSION SYSTEM

Title (de)

DEMAGNETISIERUNGSSICHERER, PERMANENTERREGTER SCHIFFSANTRIEB

Title (fr)

SYSTEME D'ENTRAINEMENT DE BATEAU A EXCITATION PERMANENTE ET A PROTECTION CONTRE LA DEMAGNETISATION

Publication

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Application

EP 00954389 A 20000802

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Abstract (en)

[origin: WO0110001A2] The invention relates to an electric drive system for high levels of output, for example for outputs exceeding 500 kW, that is highly available and long-lasting and that is especially used for seagoing ships. The inventive drive system comprises an electromotor that is driven by a permanent magnet and that is provided with at least one consumer of a rotational energy, especially a marine propelling screw. The drive system further comprises at least one converter which supplies the electromotor with power and an automatic control and monitoring device for the system. Said electromotor is designed for a long-term and reliable performance. It is especially protected from being entirely or partially demagnetized by supplementary structural and operational measures, for example circuit and control measures, regarding the motor and the converter.

IPC 1-7

H02K 21/24; **H02K 9/00**

IPC 8 full level

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