

Title (en)

ENERGY CONVERTING DEVICE FOR ENERGY SYSTEMS, AND METHOD FOR OPERATING SUCH A DEVICE

Title (de)

ENERGIEWANDLERVORRICHTUNG FÜR ENERGIEANLAGEN UND VERFAHREN ZUM BETRIEB EINER DAHINGEHENDEN VORRICHTUNG

Title (fr)

DISPOSITIF CONVERTISSEUR D'ÉNERGIE DESTINÉ À DES INSTALLATIONS D'ÉNERGIE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF ASSOCIÉ

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Application

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Priority

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Abstract (en)

[origin: WO2013026548A1] The invention relates to an energy converting device for energy systems (2) for converting mechanical energy into hydraulic energy and then into electric energy, said device using a control fluid (3) as the energy transporting medium. The control fluid is subjected to a variably changing pressure by at least one first converting device (5) that converts the mechanical energy into hydraulic energy. The energy converting device comprises at least one second subsequent converting device (7) that converts the hydraulic energy into electric energy. The invention is characterized in that the second converting device (7) is divided into a first control circuit (9) and a second control circuit (11), the two of which can be supplied with the control fluid (3) of variable pressure at the circuit input side (13) by the first converting device (7) and the two of which have predominantly different pressure levels.

IPC 8 full level

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