

Title (en)

ELECTROMAGNETIC ENERGY CONVERTER

Title (de)

ELEKTROMAGNETISCHER ENERGIEWANDLER

Title (fr)

CONVERTISSEUR D'ÉNERGIE ÉLECTROMAGNÉTIQUE

Publication

EP 4046262 A1 20220824 (DE)

Application

EP 20792631 A 20201014

Priority

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- EP 2020078948 W 20201014

Abstract (en)

[origin: WO2021074245A1] The invention relates to an electromagnetic energy converter for a remote switch (14). The energy converter has an electrical coil (9) and magnetic components which comprise at least one permanent magnet (8) and at least one ferromagnetic element (1). The permanent magnet (8) and/or the ferromagnetic element (1) are each movable between two extreme positions, wherein the movement of the permanent magnet (8) and/or of the ferromagnetic element (1) between the extreme positions leads to a directional reversal of a magnetic flux in the magnetic circuit, wherein the magnetic flux is enclosed at least in part by the coil (9). At least one of the extreme positions of the permanent magnet (8) and/or of the ferromagnetic element (1) is configured as a contactless extreme position at which at least two of the magnet components do not touch.

IPC 8 full level

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