

Title (en)

ENGAGEMENT RELAY FOR AND A METHOD FOR OPERATING AN ELECTRIC MACHINE, PREFERABLY EMBODIED AS A STARTER DEVICE, WITH AN ENGAGEMENT RELAY

Title (de)

EINRÜCKRELAIS FÜR SOWIE VERFAHREN ZUM BETREIBEN EINER VORZUGSWEISE ALS STARTVORRICHTUNG AUSGEBILDETEN ELEKTRISCHEN MASCHINE MIT EINEM EINRÜCKRELAIS

Title (fr)

RELAIS D'ENGRENEMENT ET PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE ÉLECTRIQUE CONÇUE DE PRÉFÉRENCE COMME UN DISPOSITIF DE DÉMARRAGE ET POURVUE D'UN RELAIS D'ENGRENEMENT

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Application

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Abstract (en)

[origin: WO2018054909A1] The invention relates to an engagement relay (20) for an electric machine which preferably serves as a starter device (10) for engaging a pinion (25), wherein the engagement relay (20) has a contact device (65) for electrically connecting electrical contacts (120, 121), having a switching axis (67) which can be actuated for the purpose of electrical connection, having a thrust motor (60) which serves to shift the switching axis (67), and the thrust motor (60) has a movable part (57) which serves to activate the switching axis (67), wherein the movable part (57) is connected to a driver (85), wherein a stop part (84) can move relative to the movable part (57) of the thrust motor (60) and in a state of rest of the engagement relay (20) there is a gap (s) between the stop part (84) and the driver (85), wherein after the switching of the engagement relay (20) a contact device (65) is activated and as a result a switch of the circuit of the starter motor (23) is closed, wherein a movable part (57) of a thrust motor (60) of the engagement relay (20) is connected to a driver (85), and by means of a switch-on movement of the movable part (57) the driver (85) brings about an engagement force with an engagement lever (22), in order to mesh a pinion (25) in a toothed ring (15), characterized in that a stop part (84) is arranged between the movable part (57) of the thrust motor (60) and the driver (85), wherein firstly there is a gap (s) with an initial size between the driver (85) and the stop part (84), and when the movable part (57) of the thrust motor (60) moves during switching the gap (s) is made smaller.

IPC 8 full level

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