Title (en)

DEVICE FOR COUPLING A HOUSING ARRANGEMENT OF A COUPLING DEVICE TO A ROTOR ARRANGEMENT OF AN ELECTRIC MACHINE

Title (de)

VORRICHTUNG ZUR KOPPLUNG EINER GEHAUSEANORDNUNG EINER KOPPLUNGSEINRICHTUNG MIT EINER ROTORANORDNUNG EINER ELEKTROMASCHINE

Title (fr)

DISPOSITIF DE COUPLAGE D'UN ENSEMBLE CARTER D'UN EQUIPEMENT DE COUPLAGE AVEC UN ENSEMBLE ROTOR D'UNE MACHINE ELECTRIQUE

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Application

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Abstract (en)

[origin: WO03081064A1] The invention relates to a device for coupling a housing arrangement (38) of a coupling device, especially a hydrodynamic coupling device (14), to a rotor arrangement (24) of an electric machine (12). Said rotor arrangement (24) of the electric machine (12) is coupled, or is to be coupled, in a rotatably fixed manner to a drive shaft (30) which can be rotated about a rotational axis (A). The electric machine (12) also comprises a stator arrangement (16) which can be brought into electromagnetic interaction with the rotor arrangement. The drive shaft (30) can be rotated by means of the electric machine (12) and/or electrical energy can be generated by the rotation of said drive shaft (30). The inventive device comprises toothing elements (80, 76) which are, or can be, mutually rotationally engaged on the rotor arrangement (24) and on the housing arrangement (38), in addition to an axial fixing arrangement (84, 86) for holding the rotor arrangement (24) in relation to the housing arrangement (38) in the axial direction. The inventive device is characterised in that the axial fixing arrangement (84, 86) comprises at least one catch element (84) on one subassembly of the rotor arrangement (24) and the housing arrangement (38), and a catch receiving element (86) which is associated with the same and is located on the other subassembly of rotor arrangement (24) and housing arrangement (38).

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IPC 8 full level

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