

Title (en)

DIRECT ELECTROMAGNETIC DRIVE FOR A THROTTLE VALVE SHAFT IN A THROTTLE VALVE MANIFOLD

Title (de)

ELEKTROMAGNETISCHER DIREKTANTRIEB FÜR EINE DROSSELKLAPPENWELLE IN EINEM DROSSELKLAPPENSTUTZEN

Title (fr)

ENTRAÎNEMENT ELECTROMAGNETIQUE DIRECT DESTINE A UN ARBRE DE CLAPET D'ETRANGLEMENT DANS UNE TUBULURE DE CLAPET D'ETRANGLEMENT

Publication

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Application

EP 03761406 A 20030528

Priority

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- DE 10228856 A 20020627

Abstract (en)

[origin: WO2004003363A1] The direct drive for a throttle valve shaft (7) in a throttle valve manifold (8) comprises a coil (1) and a rotor (2) arranged directly adjacent to the coil (1). The rotor (2) is made from a steel ring (3) inside which a first inner magnetic shell (5a) and a second inner magnetic shell (5b) lie opposite each other. The steel ring (3) has a first outer magnetic shell (4a) and a second outer magnetic shell (4b) lying opposite each other on the outside thereof. The steel ring (3) is connected to the throttle valve shaft (7) on the end (3') thereof facing the throttle valve (9). A sensor (10) for position recognition of the throttle valve (9) is arranged in the middle of that region (6) of the end (3') of the steel ring (3) facing away from the throttle valve (9).

IPC 1-7

F02D 11/10

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