

Title (en)

CIRCUIT FOR CONTROLLING AT LEAST ONE ELECTROMECHANICALLY ACTUATED INLET AND OUTLET VALVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHALTUNG ZUR STEUERUNG MINDESTENS EINES JEWEILS ELEKTROMECHANISCH BETÄTIGTEN EIN- UND AUSLASSVENTILS EINER BRENNKRAFTMASCHINE

Title (fr)

CIRCUIT DESTINE A LA COMMANDE AU MOINS D'UNE SOUPAPE D'ADMISSION ET D'EVACUATION D'UN MOTEUR A COMBUSTION INTERNE, RESPECTIVEMENT ACTIONNEE PAR VOIE ELECTROMECHANIQUE

Publication

**EP 1171702 A1 20020116 (DE)**

Application

**EP 00936636 A 20000420**

Priority

- DE 0001250 W 20000420
- DE 19918095 A 19990421

Abstract (en)

[origin: DE19918095C1] The circuit includes at least one set-down controller (2,3) with an output stage for each electromagnet of the valves (5,6), for controlling the valves based on time control signals. The current flowing in the electromagnets is controlled according to valve position signals. A digital communication computer (1) evaluates a crank-shaft position signal, exchanges data with an engine operation controller (9) via a communication link (8), and produces the time control signals for the set-down controller based on the crank-shaft position signal and the data received from the engine operation controller.

IPC 1-7

**F02D 41/20**; **F01L 9/04**

IPC 8 full level

**F01L 9/20** (2021.01); **F02D 45/00** (2006.01); **F02D 13/02** (2006.01); **F02D 41/04** (2006.01); **F02D 41/20** (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP US)

**F01L 9/20** (2021.01 - EP US); **F02D 41/20** (2013.01 - EP US); **F01L 2009/2169** (2021.01 - EP US); **F01L 2201/00** (2013.01 - EP US); **F01L 2800/00** (2013.01 - EP US); **F02D 2041/001** (2013.01 - EP US)

Citation (search report)

See references of WO 0063544A1

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