

Title (en)

PROCESS FOR OPERATING AN INTERNAL COMBUSTION ENGINE.

Title (de)

VERFAHREN ZUM BETRIEB EINER BRENNKRAFTMASCHINE.

Title (fr)

PROCEDE DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE.

Publication

**EP 0489864 B1 19931118**

Application

**EP 90914396 A 19900926**

Priority

EP 89118488 A 19891005

Abstract (en)

[origin: WO9105153A1] It is known that, during special operating conditions, e.g. warming-up, acceleration, full-power conditions, the mixture setting is effected by a control system instead of lambda -adjustment. This may result in a lean mixture. The invention seeks to avoid this by ensuring that the lambda -adjustment remains in operation during the special operating conditions, within a restricted range. It is superimposed on the pilot control, and only takes effect in the direction of enrichment.

IPC 1-7

**F02D 41/14; F02D 41/06; F02D 41/10**

IPC 8 full level

**F02D 41/06** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP US)

**F02D 41/068** (2013.01 - EP US); **F02D 41/1486** (2013.01 - EP US); **F02D 41/1488** (2013.01 - EP US); **F02D 41/1456** (2013.01 - EP US)

Cited by

DE19501458B4

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9105153 A1 19910418**; DE 59003560 D1 19931223; EP 0489864 A1 19920617; EP 0489864 B1 19931118; ES 2046796 T3 19940201; US 5279275 A 19940118

DOCDB simple family (application)

**EP 9001628 W 19900926**; DE 59003560 T 19900926; EP 90914396 A 19900926; ES 90914396 T 19900926; US 82064792 A 19920116