

Title (en)

PROCESS FOR ADJUSTING THE LOAD OF AN INTERNAL COMBUSTION ENGINE, IN PARTICULAR FOR A MOTOR VEHICLE

Title (de)

VERFAHREN ZUR LASTEINSTELLUNG EINER BRENNKRAFTMASCHINE, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)

PROCEDE DE REGLAGE DE LA CHARGE D'UN MOTEUR A COMBUSTION INTERNE, NOTAMMENT POUR UN VEHICULE AUTOMOBILE

Publication

EP 0858554 B1 19990804 (DE)

Application

EP 96943864 A 19961004

Priority

- DE 9601913 W 19961004
- DE 19540832 A 19951030

Abstract (en)

[origin: WO9716637A2] In the air supply unit of an internal combustion engine, pulsations occur at low and medium engine speeds which falsify the output signal of an air mass measuring device. In the disclosed process, the opening angle of a throttle valve (8) that may be adjusted by an electric motor is limited to an engine speed-dependent opening value (OW) which contains an opening basis value (OBW) that lies between a lower and an upper limit value. At the lower limit value, engine full load is reached, and even at the upper limit value, no air pulsations occur yet in the suction channel (7) upstream of the throttle valve (8).

IPC 1-7

F02D 11/10; **F02D 41/00**

IPC 8 full level

F02D 11/10 (2006.01); **F02D 41/00** (2006.01); **F02D 41/18** (2006.01)

CPC (source: EP US)

F02D 11/105 (2013.01 - EP US); **F02D 41/187** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

WO 9716637 A2 19970509; **WO 9716637 A3 19970710**; DE 19540832 C1 19970703; DE 59602657 D1 19990909; EP 0858554 A2 19980819; EP 0858554 B1 19990804; US 5992384 A 19991130

DOCDB simple family (application)

DE 9601913 W 19961004; DE 19540832 A 19951030; DE 59602657 T 19961004; EP 96943864 A 19961004; US 7040598 A 19980430