

Title (en)
IDLE AIR CONTROL DEVICE FOR INTERNAL-COMBUSTION ENGINES

Publication
EP 0263368 B1 19901227 (DE)

Application
EP 87114004 A 19870925

Priority
DE 3633260 A 19860930

Abstract (en)
[origin: EP0263368A2] In the case of a device 1 for controlling the idle air of internal combustion engines a rotary slide valve 6 controlling connection tubes 3 and 4 on a housing 2 and a stepping motor 7 connected to the same drive shaft are located in a common chamber 5 of the housing 2. The rotary slide valve 6 is a flat rotary slide valve 6 built into a drum 14. The drum 14, through which the regulated idle air flows, serves as a condensate barrier rotatably arranged inside the housing 2, which retains foreign bodies separated out of the idle air, in particular condensates, and prevents them getting into the chamber section 5' of the stepping motor 7, thereby improving the reliability of the regulating device 1. <IMAGE>

IPC 1-7
F02M 3/07

IPC 8 full level
F02M 3/07 (2006.01); **F02M 3/06** (2006.01)

CPC (source: EP)
F02M 3/07 (2013.01); **F02M 2003/067** (2013.01)

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0263368 A2 19880413; EP 0263368 A3 19890517; EP 0263368 B1 19901227; DE 3633260 A1 19880407; DE 3633260 C2 19881013; DE 3767110 D1 19910207; ES 2022853 B3 19911216

DOCDB simple family (application)
EP 87114004 A 19870925; DE 3633260 A 19860930; DE 3767110 T 19870925; ES 87114004 T 19870925