

Title (en)
THROTTLE VALVE HOUSING

Title (de)
DROSSELKLAPPENSTUTZEN

Title (fr)
BOITIER DE PAPILLON

Publication
EP 1444429 A1 20040811 (DE)

Application
EP 02774452 A 20021010

Priority

- DE 0203820 W 20021010
- DE 10156213 A 20011115

Abstract (en)
[origin: WO03046353A1] The invention relates to a throttle valve housing, particularly for an internal combustion engine of a motor vehicle, comprising a tubular housing part (1) whose flow-through channel (2) can be closed off from a gaseous medium by means of a throttle valve (4) mounted on a throttle valve shaft (3). A tubular inlet area (9) and a tubular outlet area (10) are situated at the ends of the housing part (1), have flow-through openings (11) that extend the flow-through channel (2), and can be detachably connected to a supply tube and a discharge tube. The inlet area (9) and the outlet area (10) can be produced as separate parts and can be connected to the housing part (1) in a fixed manner.

IPC 1-7
F02D 9/10; F16K 27/02

IPC 8 full level
F02D 9/10 (2006.01); **F02D 11/10** (2006.01); **F16K 27/02** (2006.01)

CPC (source: EP US)
F02D 9/104 (2013.01 - EP US); **F02D 11/10** (2013.01 - EP US); **F16K 27/0218** (2013.01 - EP US); **F02D 9/107** (2013.01 - EP US);
F05C 2201/021 (2013.01 - EP US)

Citation (search report)
See references of WO 03046353A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 03046353 A1 20030605; BR 0214167 A 20040928; CA 2467175 A1 20030605; DE 10156213 A1 20030605; EP 1444429 A1 20040811;
US 2005017211 A1 20050127; US 7011073 B2 20060314

DOCDB simple family (application)
DE 0203820 W 20021010; BR 0214167 A 20021010; CA 2467175 A 20021010; DE 10156213 A 20011115; EP 02774452 A 20021010;
US 84335604 A 20040512