

Title (en)  
THROTTLE VALVE ARRANGEMENT WITH EMERGENCY AIR DEVICE

Title (de)  
DROSSELKLAPPENANORDNUNG MIT NOTLUFTEINRICHTUNG

Title (fr)  
ENSEMBLE PAPILLON DES GAZ COMPORTANT UNE UNITE D'ALIMENTATION DE SECOURS EN AIR

Publication  
**EP 1254309 A1 20021106 (DE)**

Application  
**EP 00991068 A 20001214**

Priority  
• DE 0004467 W 20001214  
• DE 10005786 A 20000210

Abstract (en)  
[origin: WO0159279A1] The invention relates to a throttle valve arrangement with an emergency air supply, in the form of an additional flap (4), which normally closes an emergency air opening (8) in the throttle valve (3). On failure of the drive mechanism (13), said additional flap may be rotated relative to the throttle valve, in order to open the emergency air supply, such that the internal combustion engine obtains sufficient air for the journey to a garage, or similar.

IPC 1-7  
**F02D 9/02**; **F02D 9/10**

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

CPC (source: EP KR US)  
**F02D 9/02** (2013.01 - EP KR US); **F02D 2009/0277** (2013.01 - EP US)

Citation (search report)  
See references of WO 0159279A1

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**WO 0159279 A1 20010816**; BR 0017095 A 20030114; BR 0017095 B1 20090113; DE 50010782 D1 20050825; EP 1254309 A1 20021106; EP 1254309 B1 20050720; KR 100749584 B1 20070814; KR 20020081216 A 20021026; MX PA02007722 A 20021023; US 2003019471 A1 20030130; US 6561161 B2 20030513

DOCDB simple family (application)  
**DE 0004467 W 20001214**; BR 0017095 A 20001214; DE 50010782 T 20001214; EP 00991068 A 20001214; KR 20027006830 A 20020528; MX PA02007722 A 20001214; US 21717502 A 20020812