

Title (en)

Method for the determining of the mass flow of a gas mixture

Title (de)

Verfahren zur Bestimmung des Massenstroms eines Gasgemisches

Title (fr)

Procédé de détermination du débit massique d'un mélange gazeux

Publication

**EP 1106813 A3 20030514 (DE)**

Application

**EP 00124703 A 20001111**

Priority

DE 19959660 A 19991210

Abstract (en)

[origin: EP1106813A2] The method involves determining the instantaneous mass flow ( $\dot{m}$ ) of the gas mixture using an algorithm in a controller, whereby a set of lines dependent on the venting valve drive time is defined by gradients dependent on the suction pipe vacuum ( $p_s$ ) and offset values dependent on the suction pipe vacuum and multiplied by the drive frequency and the maximum mass flow ( $\dot{m}_{max}$ ).

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**F02M 25/08**; **F02D 41/24**; **F02D 35/00**

IPC 8 full level

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CPC (source: EP)

**F02D 41/0045** (2013.01); **F02M 25/08** (2013.01); **F02D 41/0042** (2013.01)

Citation (search report)

- [A] US 5216995 A 19930608 - HOSODA FUMIO [JP], et al
- [A] US 5072712 A 19911217 - STEINBRENNER ULRICH [DE], et al
- [A] DE 19756919 A1 19981008 - BOSCH GMBH ROBERT [DE]

Cited by

CN108981830A; US7347193B2; WO2005008047A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1106813 A2 20010613**; **EP 1106813 A3 20030514**; **EP 1106813 B1 20040324**; DE 19959660 C1 20010705; DE 50005783 D1 20040429

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