

Title (en)

OPERATIONAL METHOD FOR A COMPRESSOR

Title (de)

BETRIEBSVERFAHREN FÜR EINEN VERDICHTER

Title (fr)

PROCEDE DE FONCTIONNEMENT POUR UN COMPRESSEUR

Publication

EP 1529161 A1 20050511 (DE)

Application

EP 03793648 A 20030726

Priority

- DE 10237416 A 20020816
- EP 0308278 W 20030726

Abstract (en)

[origin: DE10237416A1] A turbocharger (6) is positioned in the induction pipe (2) of an internal combustion engine and controlled by a charger control unit (15) integrated with the motor control unit (16). An air flow sensor (4) normally present can be used to detect the point at which flow separation occurs. As the sensor output signal develops a characteristic oscillation behavior as soon as instability (flow separation) occurs this can be detected by monitoring the signal frequency and/or amplitude.

IPC 1-7

F02D 41/18; **F02B 37/24**; **F02D 41/22**

IPC 8 full level

F02B 39/16 (2006.01); **F02B 29/04** (2006.01); **F02B 37/00** (2006.01); **F02B 37/12** (2006.01); **F02B 37/24** (2006.01); **F02B 77/08** (2006.01); **F02D 21/08** (2006.01); **F02D 23/00** (2006.01); **F02D 23/02** (2006.01); **F02D 41/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/18** (2006.01); **F02D 41/22** (2006.01); **F02D 45/00** (2006.01); **F02M 25/07** (2006.01); **F04D 27/02** (2006.01); **G05B 23/02** (2006.01)

CPC (source: EP US)

F02B 29/0437 (2013.01 - EP US); **F02B 37/24** (2013.01 - EP US); **F02D 41/0007** (2013.01 - EP US); **F02D 41/005** (2013.01 - EP US); **F02D 41/18** (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **F02M 26/05** (2016.02 - EP US); **F04D 27/02** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2004022956A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 10237416 A1 20040226; EP 1529161 A1 20050511; JP 2005538288 A 20051215; US 2005257520 A1 20051124; WO 2004022956 A1 20040318

DOCDB simple family (application)

DE 10237416 A 20020816; EP 0308278 W 20030726; EP 03793648 A 20030726; JP 2004533279 A 20030726; US 52458005 A 20050715