

Title (en)
Pressure monitoring system

Title (de)
Drucküberwachungssystem

Title (fr)
Système de surveillance de la pression

Publication
EP 2022966 A2 20090211 (EN)

Application
EP 08009371 A 20080521

Priority
IT AO20070589 A 20070806

Abstract (en)
A pressure monitoring system for a combustion engine comprises a plurality of combustion chambers (2) and a pressure sensors (5) associated to at least some of the combustion chambers (2). A multiplexer (7) has inputs connected to at least a first one and a second one of said pressure sensors (5). A non-zero phase shift exists between the operating cycles of first and second ones of the combustion chambers (2) associated to said first and second pressure sensors (5). A controller (14) controls the multiplexer (7) to output data from the first pressure sensor (5) while the first combustion chamber (2) is in a predetermined portion of its operating cycle and pressure data from the second pressure sensor (5) while the second combustion chamber (2) is in said predetermined portion of its operating cycle.

IPC 8 full level
F02D 35/02 (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)
F02D 35/023 (2013.01); **F02D 35/024** (2013.01); **F02D 41/28** (2013.01); **F02D 2041/281** (2013.01); **F02D 2250/14** (2013.01)

Citation (applicant)
• US 5076098 A 19911231 - MIWA HIROMICHI [JP]
• US 5632412 A 19970527 - HARRIS CLARK E [US], et al

Citation (examination)
JP S6025434 A 19850208 - MAZDA MOTOR

Cited by
EP2381082A1; CN105452636A; GB2469826B; CN102472196A; EP2538063A4; US9850844B2; WO2015022278A1; WO2010124758A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2022966 A2 20090211; EP 2022966 A3 20090826

DOCDB simple family (application)
EP 08009371 A 20080521