

Title (en)

ARRANGEMENT OF INTERNAL COMBUSTION ENGINES PROVIDED WITH A SUPERCHARGER AND A FUEL INJECTION SYSTEM

Title (de)

MIT EINEM LADER UND EINEM KRAFFTSTOFFEINSPRITZSYSTEM VERSEHENE BRENNKRAFTMASCHINENANLAGE

Title (fr)

CONFIGURATION DE MOTEURS A COMBUSTION INTERNE EQUIPES D'UN COMPRESSEUR A SURALIMENTATION ET D'UN SYSTEME D'INJECTION DE CARBURANT

Publication

**EP 0653017 B1 19970813 (EN)**

Application

**EP 93910524 A 19930513**

Priority

- SE 9300420 W 19930513
- SE 9201526 A 19920514

Abstract (en)

[origin: WO9323659A1] The invention relates to a device in internal combustion engines provided with a supercharger (2) of the rotary screw compressor type and a compressed air assisted fuel injection system (8, 9, 10). According to the invention a rotary screw compressor (2) of a kind known as such is used as the supercharger, which compressor through a special, from the ordinary outlet port (13) separated, outlet port (21) delivers a minor air flow of high pressure after closing of the ordinary outlet port, which special port (21) by a pressure pipe (7) is connected to the fuel injection system (8, 9, 10) for pressurizing this.

IPC 1-7

**F02B 33/34**

IPC 8 full level

**F02B 33/36** (2006.01); **F02M 69/08** (2006.01); **F04C 18/16** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)

**F02B 33/36** (2013.01); **F02M 69/08** (2013.01); **F04C 18/16** (2013.01); **F04C 29/12** (2013.01)

Citation (examination)

- EP 0458670 A1 19911127 - INST FRANCAIS DU PETROLE [FR]
- US 2111568 A 19380322 - ALF LYSHOLM, et al

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 9323659 A1 19931125**; DE 69313120 D1 19970918; DE 69313120 T2 19980312; EP 0653017 A1 19950517; EP 0653017 B1 19970813; SE 470107 B 19931108; SE 9201526 D0 19920514; SE 9201526 L 19931108

DOCDB simple family (application)

**SE 9300420 W 19930513**; DE 69313120 T 19930513; EP 93910524 A 19930513; SE 9201526 A 19920514