

Title (en)

FUEL-AIR MIXTURE FEED DEVICE FOR A TWO-STROKE INTERNAL COMBUSTION ENGINE

Title (de)

LUFT-BRENNSTOFF-GEMISCHZUFUHRVORRICHTUNG FÜR EINE ZWEITAKTBRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ALIMENTATION EN MELANGE AIR-CARBURANT D'UN MOTEUR A EXPLOSION A DEUX TEMPS

Publication

EP 0704017 A1 19960403 (FR)

Application

EP 94923771 A 19940802

Priority

- FR 9400972 W 19940802
- FR 9309556 A 19930803

Abstract (en)

[origin: WO9504212A1] A fuel-air mixture feed device for a two-stroke internal combustion engine with compressed air scavenging in the crankcase (5). The device includes at least one cylinder (1), a piston (9) reciprocating therein, and a scavenging air compression casing. The cylinder comprises at least one exhaust port (11), at least one transfer port (12) and a fuel/air mixture feed port (16). A rotary shut-off unit (19) driven synchronously with the engine is associated with the fuel/air mixture feed port (16) supplying the combustion chamber (10), and located in an air reservoir (14) supplied with compressed air at a pressure higher than the pressure in the combustion chamber (10) when the exhaust port (11) is open.

IPC 1-7

F02B 25/14; **F01L 7/12**

IPC 8 full level

F01L 7/12 (2006.01); **F02B 25/14** (2006.01); **F02B 25/22** (2006.01); **F02B 75/02** (2006.01); **F02D 9/02** (2006.01)

CPC (source: EP US)

F02B 25/14 (2013.01 - EP US); **F02B 33/04** (2013.01 - EP US); **F02B 2075/025** (2013.01 - EP US); **F02D 2009/0291** (2013.01 - EP US)

Citation (search report)

See references of WO 9504212A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

WO 9504212 A1 19950209; AT E155208 T1 19970715; CN 1049948 C 20000301; CN 1128555 A 19960807; DE 69404148 D1 19970814; DE 69404148 T2 19980115; EP 0704017 A1 19960403; EP 0704017 B1 19970709; ES 2105739 T3 19971016; FR 2708666 A1 19950210; FR 2708666 B1 19951013; JP H09500943 A 19970128; US 5586525 A 19961224

DOCDB simple family (application)

FR 9400972 W 19940802; AT 94923771 T 19940802; CN 94192990 A 19940802; DE 69404148 T 19940802; EP 94923771 A 19940802; ES 94923771 T 19940802; FR 9309556 A 19930803; JP 50563395 A 19940802; US 58304396 A 19960117