

Title (en)
FORCED COAXIALLY VENTILATED TWO STROKE POWER PLANT

Title (de)
ZWEITAKTMOTOR MIT VARIABLEN ZWANGSBELÜFTUNG

Title (fr)
MOTEUR A DEUX TEMPS A VENTILATION COAXIALE FORCEE

Publication
EP 1228297 B1 20050914 (EN)

Application
EP 00978517 A 20001108

Priority

- US 0030978 W 20001108
- US 16425299 P 19991108
- US 45477399 A 19991203
- US 56149400 A 20000428

Abstract (en)
[origin: WO0134954A1] An internal combustion engine having a power cylinder (200), whereby the power, ventilation (comprising simultaneous intake and exhaust), and compression events within the power cylinder (200) completed define the cycle of the engine, with induction in the induction cylinder (100) being an auxiliary and incidental function to the cycle within the power cylinder (200), such that engine cooling and fuel efficiency are improved over prior art internal combustion engines. Interconnecting the power cylinder and the induction cylinder (100) is a transfer chamber which opens into the top of the power cylinder (200), which chamber in turn is equipped with a one way, pressure responsive transfer valve (60) for allowing air to flow into the power cylinder (200) when pressure therein falls below the pressure in the induction cylinder (100). An exhaust port (12) is likewise positioned near the bottom of the power cylinder (200).

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IPC 8 full level
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CPC (source: EP KR)
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WO 0134954 A1 20010517; AT E304654 T1 20050915; AU 1597301 A 20010606; AU 765100 B2 20030911; CA 2390380 A1 20010517; CA 2390380 C 20090127; CN 1255622 C 20060510; CN 1387605 A 20021225; DE 60022668 D1 20051020; DE 60022668 T2 20060622; EP 1228297 A1 20020807; EP 1228297 A4 20040714; EP 1228297 B1 20050914; ES 2249306 T3 20060401; JP 2003514185 A 20030415; KR 100746759 B1 20070806; KR 20020069354 A 20020830

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