

Title (en)  
VARIABLE COMPRESSION PISTON ASSEMBLY

Title (de)  
KOLBENZUORDNUNG MIT VARIABLER KOMPRESSION

Title (fr)  
ENSEMBLE DE PISTONS A COMPRESSION VARIABLE

Publication  
**EP 1015744 A1 20000705 (EN)**

Application  
**EP 98948218 A 19980915**

Priority  
• US 9819164 W 19980915  
• US 92904297 A 19970915

Abstract (en)  
[origin: US6019073A] The invention is a piston engine which has a plurality of cylinders, each cylinder having two ends in a first embodiment, and single ended in another embodiment, each end having a spark plug and inlet and exhaust valves. A distributor is used for controlling the timing of firing the spark plugs and cams for controlling the operation of the inlet and exhaust valves. In each cylinder is a double ended piston. A transition arm is connected to each double ended piston by connecting shafts which extend into a central opening in each double ended piston. An adjustable flywheel is connected by a drive arm to the transition arm. Output from the engine is through an output shaft connected to the flywheel.

IPC 1-7  
**F02B 75/04**; F02B 75/26; F01B 3/00; F01B 3/10; F04B 1/14; F04B 1/22; F04B 1/32; F16F 15/26; F16H 23/06; F16H 23/08

IPC 8 full level  
**F02B 75/04** (2006.01); **F01B 1/08** (2006.01); **F01B 3/00** (2006.01); **F01B 9/04** (2006.01); **F01B 31/14** (2006.01); **F02B 75/26** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP KR US)  
**F02B 75/04** (2013.01 - KR); **F02B 75/26** (2013.01 - EP US); **F02B 2075/025** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9914471 A1 19990325**; AT E397149 T1 20080615; CA 2300111 A1 19990325; CA 2300111 C 20090526; CN 1214180 C 20050810; CN 1336982 A 20020220; DE 69839565 D1 20080710; EP 1015744 A1 20000705; EP 1015744 A4 20040303; EP 1015744 B1 20080528; JP 2001516837 A 20011002; JP 4260363 B2 20090430; KR 100599138 B1 20060712; KR 20010023889 A 20010326; RU 2219358 C2 20031220; US 6019073 A 20000201

DOCDB simple family (application)  
**US 9819164 W 19980915**; AT 98948218 T 19980915; CA 2300111 A 19980915; CN 98809064 A 19980915; DE 69839565 T 19980915; EP 98948218 A 19980915; JP 2000511989 A 19980915; KR 20007002573 A 20000310; RU 2000109597 A 19980915; US 92904297 A 19970915