Title (en)
　　Internal combustion engine.

Title (de)
　　Brennkraftmaschine.

Title (fr)
　　Moteur à combustion interne.

Publication
　　EP 0057591 A2 19820811 (EN)

Application
　　EP 82300475 A 19820129

Priority
- US 23075281 A 19810202
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Abstract (en)
　　The invention is concerned with a method of deriving mechanical work from a combustion gas in an internal combustion engine and reciprocating internal combustion engines for carrying out the method. The method includes the steps of compressing an air charge at least partially in a compressor of the engine, transferring the compressed charge to a power chamber of the engine such that no appreciable drop in charge pressure occurs during transfer and admission to the power chamber, causing a predetermined quantity to produce a combustible mixture, causing the mixture to be ignited at substantially maximum pressure within the power chamber and allowing the combustion gas to expand against a piston operable in the power chamber substantially beyond its initial volume.

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IPC 8 full level
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CPC (source: EP)
　　F02B 33/22 (2013.01); **F02B 33/30** (2013.01); **F02B 33/32** (2013.01); **F02B 33/44** (2013.01); **F02B 41/00** (2013.01); **F02B 75/20** (2013.01); F02B 1/04 (2013.01); F02B 3/06 (2013.01); F02B 2075/1812 (2013.01); F02B 2075/182 (2013.01); F02B 2275/34 (2013.01)

Cited by
　　CN101852090A; WO9321433A1; EP0086348B1

Designated contracting state (EPC)
　　DE FR GB IT SE

DOCDB simple family (publication)
　　EP 0057591 A2 19820811; **EP 0057591 A3 19831102**; **EP 0057591 B1 19891220**; AU 7925782 A 19820812; BR 8200376 A 19821123; CA 1188938 A 19850618; DE 3280068 D1 19900125

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　　EP 82300475 A 19820129; AU 7925782 A 19820107; BR 8200376 A 19820125; CA 395298 A 19820201; DE 3280068 T 19820129