

Title (en)

Energy production installation with several diesel engine cylinders supercharged by reciprocating-piston compressors.

Title (de)

Kraftanlage mit mehreren durch Verdichter mit hin- und hergehendem Kolben aufgeladenen Dieselmotorkraftzylindern.

Title (fr)

Installation de production d'énergie à plusieurs cylindres moteurs à cycle diesel suralimentés par compresseurs alternatifs.

Publication

**EP 0218505 A1 19870415 (FR)**

Application

**EP 86401989 A 19860911**

Priority

FR 8513480 A 19850911

Abstract (en)

[origin: US4748811A] A power production apparatus comprises a Diesel engine having a plurality of sequentially operating motor cylinders and a plurality of alternating air compressor cylinders. Each motor cylinder has scavenge ports connected to receive scavenging air from that compressor cylinder whose compression stroke occurs while the scavenge ports of the motor cylinder are closed. An intake capacity having a volume equal to about five times the cubic capacity of the motor cylinder is located on the air path. The apparatus may consist of a gas turbine and a multi-tandem free piston gas generator and a gas turbine; the gas generator then has a plurality of Diesel type motor cylinders whose pistons are drivably connected to compression pistons.

Abstract (fr)

L'installation comprend au moins un moteur Diesel à plusieurs cylindres suralimenté par plusieurs cylindres compresseurs alternatifs fournissant l'air de balayage au moteur. Chaque cylindre moteur (10) est alimenté en air de balayage par un cylindre compresseur (12) dont la course de refoulement intervient alors que les lumières de balayage (32) du moteur sont fermées, par l'intermédiaire d'une capacité d'admission (24) dont le volume est égal à plusieurs fois la cylindrée.

IPC 1-7

**F02B 33/44**; **F02B 71/06**

IPC 8 full level

**F02B 33/06** (2006.01); **F02B 33/44** (2006.01); **F02B 71/06** (2006.01); **F02B 75/04** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)

**F02B 33/44** (2013.01 - EP US); **F02B 71/06** (2013.01 - EP US); **F02B 75/04** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0218505 A1 19870415**; **EP 0218505 B1 19891115**; AT E48023 T1 19891215; DE 3666965 D1 19891221; DK 162946 B 19911230; DK 162946 C 19920525; DK 433286 A 19870312; DK 433286 D0 19860910; FR 2587062 A1 19870313; FR 2587062 B1 19891117; JP S6296732 A 19870506; US 4748811 A 19880607

DOCDB simple family (application)

**EP 86401989 A 19860911**; AT 86401989 T 19860911; DE 3666965 T 19860911; DK 433286 A 19860910; FR 8513480 A 19850911; JP 21285886 A 19860911; US 90629086 A 19860911