

Title (en)

Two-stroke constant-pressure turbocharged internal combustion engine having 13 cylinders in a single row

Title (de)

Zweitakt-Motor mit interner Verbrennung und Gleichdruckturboaufgeladung mit 13 Zylindern in einer einzigen Reihe

Title (fr)

Moteur à deux temps turbocompressé sous pression constante à combustion interne à 13 cylindres en ligne

Publication

EP 1548251 A1 20050629 (EN)

Application

EP 04388090 A 20041215

Priority

JP 2003419853 A 20031217

Abstract (en)

A two-stroke constant-pressure turbocharged internal combustion engine has 13 cylinders in a single row and a scavenge air system with at least one elongated scavenge air receiver. The engine has a firing sequence (n1-n13) of the engine cylinders (C1-C13), so that at least the following three requirements a) to c) are met: for the 4th order gas pulsation <MATH> for the 5th order gas pulsation <MATH> for the 6th order gas pulsation <MATH> where n is the cylinder number, ϕ_n is the firing angle for cylinder n, F(n) is a weighting function linearly interpolated with respect to the position of the cylinder between F(1) = 1 at cylinder C1 and F(13) = -1 at cylinder C13, and PARALLEL identifies the length of the vector. <IMAGE>

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F02B 75/20

IPC 8 full level

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Citation (search report)

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