

Title (en)

Two-stroke turbocharged internal combustion engine having 14 cylinders in a single row

Title (de)

14-Zylinder-Zweitaktreihen-Brennkraftmaschine mit Turboaufladung

Title (fr)

Moteur à deux temps à 14 cylindres en ligne avec turbocompression

Publication

EP 1496217 B1 20050119 (EN)

Application

EP 04076262 A 20040428

Priority

DK PA200400121 A 20040128

Abstract (en)

[origin: EP1496217A1] A two-stroke turbocharged internal combustion engine has 14 cylinders in a single row and a scavenge air system with at least one elongated scavenge air receiver. The engine has a firing sequence ($n_1 - n_{14}$) of the engine cylinders C1-C14, so that at least the following four requirements a) to d) are met : for the 4th order gas pulsation <MATH> for the 5th order gas pulsation <MATH> for the 6th order gas pulsation <MATH> for the 7th order gas pulsation <MATH> where n is the cylinder number, ϕ_n is the firing angle for the 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(14) = -1 at cylinder C14, and PARALLEL identifies the length of the vector. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR)

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