

Title (en)

DUAL-STAGE, PLUNGER-TYPE PISTON COMPRESSOR WITH MINIMAL VIBRATION

Title (de)

SCHWINGUNGSARMER, ZWEISTUFIGER TAUCHKOLBENVERDICHTER

Title (fr)

COMPRESSEUR A PISTON PLONGEUR BI-ETAGE ET AVEC PEU DE VIBRATIONS

Publication

EP 1242741 B1 20050824 (DE)

Application

EP 00991983 A 20001220

Priority

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- EP 0012994 W 20001220

Abstract (en)

[origin: WO0146585A1] The invention relates to a piston arrangement for a dual-stage piston compressor, comprising a crankshaft and several cylinders which house the operating pistons. Said arrangement allows two or more low-pressure stages and at least one high-pressure stage to be formed. The invention is characterised in that the two or more low-pressure cylinders are arranged in relation to the high-pressure stage in such a way that said two or more low-pressure cylinders are in phase or are offset by less than +/- 15 DEG and compress in a position which is offset by 180 DEG +/- 20, in relation to one or more high-pressure cylinders.

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F04B 27/02; **F04B 25/00**

IPC 8 full level

F04B 25/00 (2006.01); **F04B 27/02** (2006.01)

CPC (source: EP KR US)

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WO 0146585 A1 20010628; **WO 0146585 A9 20021107**; AT E302906 T1 20050915; AU 3726601 A 20010703; CN 1189658 C 20050216; CN 1413292 A 20030423; DE 19961646 C1 20011115; DE 50011039 D1 20050929; EP 1242741 A1 20020925; EP 1242741 B1 20050824; ES 2248168 T3 20060316; HK 1054776 A1 20031212; JP 2003519740 A 20030624; JP 4773022 B2 20110914; KR 100726202 B1 20070611; KR 20020065595 A 20020813; US 2003108435 A1 20030612; US 6776587 B2 20040817

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