

Title (en)

Multi-stage piston type compressor with idler valves to create an idle running function

Title (de)

Mehrstufiger Kolbenverdichter mit Leerlaufventilen zur Erzeugung einer Leerlauffunktion

Title (fr)

Compresseur à pistons à plusieurs étages doté de soupapes de ralenti pour la réalisation d'une fonction de ralenti

Publication

**EP 2708745 B1 20150408 (DE)**

Application

**EP 13184131 A 20130912**

Priority

DE 102012108576 A 20120913

Abstract (en)

[origin: EP2708745A1] The compressor (1) has cylinders (2, 3) in which pistons (4, 5) are arranged for compressing air. Cylinder head-side arranged exhaust valves (10, 11) are designed as a slat valve and fluid-technically connected with the cylinders to release the air to be compressed by the pistons and allow airflow from the cylinders to compressed-air lines (12, 13). Return-flow pipes (14, 15) exhaust from the respective compressed-air lines, and idling valves (16, 17) are arranged in one of the return-flow pipes to realize an idling function of the compressor. The return-flow pipes are partially made of a resilient material. The return-flow pipes comprise hoses (18, 19) to be made of a polymeric material.

IPC 8 full level

**F04B 25/00** (2006.01); **F04B 49/035** (2006.01)

CPC (source: EP)

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