

Title (en)

RECIPROCATING-PISTON MACHINE, IN PARTICULAR TWO-STAGE OR MULTI-STAGE PISTON COMPRESSOR, COMPRESSED-AIR SUPPLY INSTALLATION, COMPRESSED-AIR SUPPLY SYSTEM AND VEHICLE, IN PARTICULAR PASSENGER CAR, HAVING A COMPRESSED-AIR SUPPLY INSTALLATION

Title (de)

HUBKOLBENMASCHINE, INSBESONDERE ZWEI- ODER MEHRSTUFIGER KOLBENKOMPRESSOR, DRUCKLUFTVERSORGUNGSANLAGE, DRUCKLUFTVERSORGUNGSSYSTEM UND FAHRZEUG, INSBESONDERE PKW MIT EINER DRUCKLUFTVERSORGUNGSANLAGE

Title (fr)

MACHINE À PISTONS ALTERNATIFS, NOTAMMENT COMPRESSEUR À PISTONS ALTERNATIFS À AU MOINS DEUX ÉTAGES, DISPOSITIF D'ALIMENTATION EN AIR COMPRIMÉ, SYSTÈME D'ALIMENTATION EN AIR COMPRIMÉ ET VÉHICULE, NOTAMMENT VOITURE PARTICULIÈRE ÉQUIPÉE D'UN DISPOSITIF D'ALIMENTATION EN AIR COMPRIMÉ

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Application

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Abstract (en)

[origin: WO2017137143A1] The invention relates to a reciprocating-piston machine (400), in particular a two-stage or multi-stage piston compressor (400), or two-cylinder or multi-cylinder piston compressors, having: at least one cylinder (410, 420) and at least one first piston (K1) associated with the cylinder (420) and a second piston (K2) associated with the or a cylinder (410), wherein during operation the pistons (K1, K2) are deflected in a cylinder displacement space (411, 421) of the at least one cylinder (410, 420); a crankshaft (430), which can be driven during operation and which has an eccentric crankshaft journal (432) and a drive shaft coupling (431), which is designed for coupling a drive shaft (501) of a drive motor (M) in order to drive the crankshaft (432); a first connecting rod (P1) designed to deflect the first piston (K1); a second connecting rod (P2) designed to deflect the second piston (K2); and a bearing pin (L2B), around which the first connecting rod (P1) and the second connecting rod (P2) can rotate, wherein the first connecting rod (P1) can be moved by means of the eccentric crankshaft journal (432) and the second connecting rod (P2) can be moved by means of the bearing pin (L2B), and characterized in that at least one, in particular a first, elastomer element (L2; L2E; L2E2; L2Ea, L2Eb; L2ES) elastically supporting the bearing pin (L2B) and the first connecting rod (P1) against each other is arranged between the bearing pin (L2B) and the first connecting rod (P1), and/or the at least one or at least one, in particular a second, elastomer element (L2; L2E; L2E1, L2E3; L2Ea, L2Eb; L2ES) elastically supporting the bearing pin (L2B) and the second connecting rod (P2) against each other is arranged between the bearing pin (L2B) and the second connecting rod (P2).

IPC 8 full level

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