

Title (en)

A reciprocating, hydraulically operated, positive displacement compressor.

Title (de)

Hydraulisch betriebener Kompressor mit hin- und hergehender Verdrängerbewegung.

Title (fr)

Compresseur à commande hydraulique avec un déplacement en va-et-vient.

Publication

EP 0064481 A1 19821110 (EN)

Application

EP 82830099 A 19820420

Priority

IT 341981 A 19810430

Abstract (en)

The compressor has three coaxial heads, 1, 2 and 3, in between which and coaxial therewith are stably interposed two liners, 4 and 5. Inside each of the said liners slides impermeably a piston, 10 and 11, the two pistons being connected one to the other through a rod 9 that slides guided by the central head 2. The two chambers 12 and 13 through which the rod passes, terminate at oil hydraulic control means destined for the operation of the assembly constituted by the rod 9 and the pistons 10 and 11. The remaining two chambers 17 and 16, each define a compression stage. With the compressor in question there is practically no buckling stress on the rod 9 and, furthermore, the number of heads, 1, 2 and 3, liners, 4 and 5, and pistons, 10 and 11, is less than in similar known compressors that are operated hydraulically and are of the same capacity and compression ratio.

IPC 1-7

F04B 9/10; **F04B 25/00**

IPC 8 full level

F04B 9/115 (2006.01); **F04B 25/00** (2006.01)

CPC (source: EP)

F04B 9/115 (2013.01); **F04B 25/005** (2013.01)

Citation (search report)

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