

Title (en)
MULTI-CYLINDER ROTARY COMPRESSOR

Title (de)
MEHRZYLINDRIGER ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF MULTICYLINDRE

Publication
EP 2947321 A1 20151125 (EN)

Application
EP 14774791 A 20140313

Priority
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• JP 2014056650 W 20140313

Abstract (en)
In this multi-cylinder rotary compressor, a motor, and a compression mechanism driven by the motor are provided inside a sealed container. The compression mechanism is formed from rotary compression mechanisms (6A, 6B) provided with: a plurality of cylinders (17, 18); a partition plate (21) which forms a partition between the plurality of cylinders (17, 18); blades which partition the insides of the cylinders (17, 18) into intake sides and discharge sides; and rotors (24, 25) which rotate inside the cylinders (17, 18). When ϕMo represents the core diameter of the motor, ϕDc represents the internal diameter of each of the cylinders (17, 18), Hc represents the width of each of the cylinders (17, 18), and Hs represents the width of the partition plate (21), $Hs/Hc \geq 0.35$ is satisfied under conditions in which $\phi Dc/\phi Mo \leq 0.49$.

IPC 8 full level
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CPC (source: EP)
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