

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  
• JP 2013073093 A 20130329  
• 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  $\phi Mo$  represents the core diameter of the motor,  $\phi Dc$  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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