

Title (en)  
SCREW COMPRESSOR

Title (de)  
SCHRAUBENVERDICHTER

Title (fr)  
COMPRESSEUR À VIS

Publication  
**EP 3643921 A1 20200429 (EN)**

Application  
**EP 17914858 A 20170620**

Priority  
JP 2017022698 W 20170620

Abstract (en)  
A screw compressor includes a driving device including a Vi piston coupled to a variable Vi valve, and a driving cylinder that houses the Vi piston movably in the driving cylinder; and a pressure-switching mechanism that switches pressure to be introduced into the driving device. The pressure-switching mechanism includes a solenoid valve that switches to open to form a first passage through which the discharge chamber and the one cylinder chamber communicate with each other, or close to block the first passage, the solenoid valve being configured to open to enable introduction of discharge pressure from a discharge chamber into one cylinder chamber provided in the driving device or close to disable the introduction of discharge pressure from a discharge chamber into one cylinder chamber, a switching cylinder communicating with the first passage extending between the solenoid valve and the one cylinder chamber, a switching piston movably housed in the switching cylinder, and a spring that is compressed with a movement of the switching piston.

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 18/52** (2006.01); **F04C 28/12** (2006.01)

CPC (source: EP)  
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