

Title (en)  
SCREW COMPRESSOR

Title (de)  
SCHRAUBENVERDICHTER

Title (fr)  
COMPRESSEUR À VIS

Publication  
**EP 4151858 A1 20230322 (EN)**

Application  
**EP 20935127 A 20200514**

Priority  
JP 2020019237 W 20200514

Abstract (en)  
A screw compressor includes a casing including a discharge port, a screw rotor accommodated in the casing, the screw rotor having one end side serving as a suction side in an axial direction, and an other end side serving as a discharge side in an axial direction, and a slide valve accommodated in a slide-valve accommodating groove formed in the casing, the slide valve being slidable in a rotational axis direction of the screw rotor. The slide valve includes a valve body portion. The slide valve moves to a position where the valve body portion faces the screw rotor and to a position where the valve body portion does not face the screw rotor. The valve body portion forms a portion of the discharge port when in a position facing the screw rotor.

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

CPC (source: EP)  
**F04C 18/52** (2013.01); **F04C 28/12** (2013.01); **F04C 18/16** (2013.01); **F04C 2250/102** (2013.01)

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**EP 4151858 A1 20230322**; **EP 4151858 A4 20230712**; WO 2021229743 A1 20211118

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