

Title (en)  
HERMETIC COMPRESSOR AND REFRIGERATION CYCLE APPARATUS

Title (de)  
HERMETISCHER VERDICHTER UND KÜHLZYKLUSVORRICHTUNG

Title (fr)  
COMPRESSEUR HERMÉTIQUE ET DISPOSITIF À CYCLE FRIGORIFIQUE

Publication  
**EP 3783225 A1 20210224 (EN)**

Application  
**EP 19789323 A 20190402**

Priority  
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• JP 2019014694 W 20190402

Abstract (en)  
To provide a compressor with high compression efficiency provided by increasing the design freedom with respect to the position for connecting an introduction path and an injection path of an injection flow path to improve manufacturability, and by reducing the back flow of refrigerant from a check valve of the injection flow path. An injection flow path (40) includes an injection path (41) opened to a cylinder chamber (19), a communication path (42) connected to the injection path (41), an introduction path (49) having one end side opened to the communication path (42) from an axial direction and the other end (54) to which an injection introduction pipe (70) connected to the outside of a sealed case is connected, and a check valve device (44) that opens and closes an opening portion (53) of the introduction path (49) on the communication path (42) side and blocks a flow of refrigerant from the cylinder chamber (19) to the introduction path (49). The check valve device (44) includes a reed valve (60), a valve retainer (64) that regulates the opening degree of the reed valve (60), and a fixing member (65) that fixes the reed valve (60) and the valve retainer (64).

IPC 8 full level  
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