

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À SPIRALE

Publication  
**EP 3992461 A1 20220504 (EN)**

Application  
**EP 20856102 A 20200623**

Priority  
• JP 2019158982 A 20190830  
• JP 2019158981 A 20190830  
• JP 2020024527 W 20200623

Abstract (en)  
A downstream end of a suction pipe (12) overlaps with an upstream end of a suction port (64) as viewed in the axial direction. A casing (20) has therein an internal space (23) through which a refrigerant containing oil flows. A fixed scroll (60) has a suction port (64) communicating with the internal space (23) and a compression chamber (S). The refrigerant flowing through the internal space (23) and containing oil droplets (25) passes through a gap between the downstream end of the suction pipe (12) and an open surface (60a) of the suction port (64) and flows into the suction port (64).

IPC 8 full level  
**F04C 29/12** (2006.01); **F04C 18/02** (2006.01)

CPC (source: CN EP)  
**F04C 18/0215** (2013.01 - CN EP); **F04C 29/028** (2013.01 - CN EP); **F04C 29/12** (2013.01 - CN EP); **F04C 23/008** (2013.01 - EP);  
**F04C 2240/806** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3992461 A1 20220504**; **EP 3992461 A4 20220803**; **EP 3992461 B1 20231011**; CN 114222862 A 20220322; CN 114222862 B 20230725;  
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