

Title (en)  
Scroll compressor

Title (de)  
Spiralverdichter

Title (fr)  
Compresseur à spirales

Publication  
**EP 2441959 A1 20120418 (EN)**

Application  
**EP 11184562 A 20111010**

Priority  
JP 2010229779 A 20101012

Abstract (en)  
To improve the strength of a fixed scroll of a scroll compressor and suppress the compression performance, a scroll compressor includes a fixed scroll 3 in which a spiral wall 32 is provided on an inner face of an end plate 31, an external wall 34 is provided integrally with the end plate 31 so as to surround a periphery of the wall 32, and a pair of fluid channels 36 penetrating the external wall 34 is provided. A centerline S of the fluid channel 36 is arranged to be deviated from a center O of an involute base circle of the wall.

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

CPC (source: EP)  
**F04C 18/0215** (2013.01); **F04C 23/008** (2013.01); **F04C 29/12** (2013.01); **F04C 2250/101** (2013.01)

Citation (applicant)  
JP 2007255191 A 20071004 - MITSUBISHI HEAVY IND LTD

Citation (search report)

- [XII] DE 3614643 A1 19861120 - MITSUBISHI ELECTRIC CORP [JP]
- [XII] US 6364643 B1 20020402 - MILLIFF TRACY L [US]
- [XII] US 2006245967 A1 20061102 - GOPINATHAN ANIL [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2441959 A1 20120418**; **EP 2441959 B1 20170301**; JP 2012082754 A 20120426; JP 5622514 B2 20141112

DOCDB simple family (application)  
**EP 11184562 A 20111010**; JP 2010229779 A 20101012