

Title (en)  
SCROLL FLUID MACHINE

Title (de)  
SPIRALFLUIDMASCHINE

Title (fr)  
MACHINE A FLUIDE AVEC VOLUTE

Publication  
**EP 1865201 A4 20080723 (EN)**

Application  
**EP 06730455 A 20060329**

Priority  
• JP 2006306507 W 20060329  
• JP 2005106098 A 20050401

Abstract (en)  
[origin: EP1865201A1] An electric motor-driven scroll compressor as a fluid machine includes a housing (10) containing a scroll unit (20) and an armature (38) for driving the scroll unit (20), and a refrigerant conduit located inside the housing (10) to guide a refrigerant toward the scroll unit (20). The refrigerant conduit includes a helical groove (64) as part thereof. The helical groove (64) is formed in the outer peripheral surface of a rotor (54) constituting the armature (38) and has opposite ends opening in the respective opposite end faces of the rotor (54).

IPC 8 full level  
**F04C 29/04** (2006.01); **F04C 18/02** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)  
**F04C 18/0215** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/0085** (2013.01 - EP US); **F04C 29/045** (2013.01 - EP US); **F04C 2240/803** (2013.01 - EP US)

Citation (search report)  
• [XY] JP H05302581 A 19931116 - DAIKIN IND LTD  
• [Y] JP 2004204791 A 20040722 - FUJITSU GENERAL LTD  
• [A] EP 0306405 A1 19890308 - ZIMMERN BERNARD [US]  
• See references of WO 2006106753A1

Cited by  
EP2733357A1; EP2159425A3; US9243638B2

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DE FR

DOCDB simple family (publication)  
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