

Title (en)  
SCROLL FLUID MACHINE

Title (de)  
SPIRALFLUIDMASCHINE

Title (fr)  
MACHINE DE FLUIDE EN SPIRALE

Publication  
**EP 2466068 A4 20131113 (EN)**

Application  
**EP 10808204 A 20100809**

Priority  
• JP 2009187092 A 20090812  
• JP 2010063498 W 20100809

Abstract (en)  
[origin: EP2466068A1] Disclosed is a scroll fluid machine wherein a scroll unit achieves higher performance while maintaining reliability. The disclosed scroll fluid machine is provided with: a first actuation chamber (100) and second actuation chamber (102) partitioned by the central end (98) of a wrap (48, 64) of a fixed scroll (44, 60) and the central end (96) of a wrap (46, 62) of a movable scroll (42, 58); and a connection path (106, 119, 112). When at least part of a connection hole (52, 72) gets blocked by the central end of the wrap of the movable scroll as the movable scroll moves in a circle, the connection path connects the first and second actuation chambers with the connection hole. When the central ends of the wraps of the fixed and movable scrolls abut against each other, the connection path cuts off the connection between the first and second actuation chambers and the connection hole.

IPC 8 full level  
**F01C 1/02** (2006.01); **F01C 11/00** (2006.01); **F01C 21/18** (2006.01)

CPC (source: EP US)  
**F01C 1/0246** (2013.01 - EP US); **F01C 11/004** (2013.01 - EP US); **F01C 21/18** (2013.01 - EP US)

Citation (search report)  
• [X1] JP H01187390 A 19890726 - SANYO ELECTRIC CO  
• [X1] US 6113372 A 20000905 - LIFSON ALEXANDER [US], et al  
• [X1] GB 2299136 A 19960925 - MITSUBISHI ELECTRIC CORP [JP]  
• [X1] WO 2009051380 A2 20090423 - LG ELECTRONICS INC [KR], et al  
• [X] EP 0318189 A2 19890531 - COPELAND CORP [US]  
• [A] EP 1876356 A1 20080109 - SANDEN CORP [JP]  
• See references of WO 2011019021A1

Cited by  
BE1023306B1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2466068 A1 20120620; EP 2466068 A4 20131113**; AU 2010283239 A1 20120301; CN 102472106 A 20120523; JP 2011038480 A 20110224; US 2012148434 A1 20120614; WO 2011019021 A1 20110217

DOCDB simple family (application)  
**EP 10808204 A 20100809**; AU 2010283239 A 20100809; CN 201080036015 A 20100809; JP 2009187092 A 20090812; JP 2010063498 W 20100809; US 201013390268 A 20100809