

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 2034187 A4 20121121 (EN)**

Application  
**EP 07767139 A 20070618**

Priority  
• JP 2007062241 W 20070618  
• JP 2006176931 A 20060627

Abstract (en)  
[origin: EP2034187A1] The present invention aims at providing a compressor capable of allowing lubrication oil supplied to a high pressure part of a back pressure chamber to circulate into a low pressure part by a simple structure. The compressor of the present invention includes an annular partition member dividing a back pressure chamber provided between a revolving scroll member and a bearing frame into a high pressure part located at an inner peripheral part side and a low pressure part located at an outer peripheral part side, and an oil supply groove for bringing the high pressure part and the low pressure part into communication at the predetermined revolving position of the revolving scroll member is provided on the surface opposite to a spiral body of the revolving scroll member. Thereby, the lubrication oil supplied to the high pressure part flows into the low pressure part through the oil supply groove at the predetermined revolving position of the revolving scroll member.

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

CPC (source: EP)  
**F04C 18/0253** (2013.01); **F04C 23/008** (2013.01); **F04C 29/028** (2013.01); **F04C 2210/261** (2013.01)

Citation (search report)  
• [XY] JP H11280678 A 19991015 - FUJITSU GENERAL LTD  
• [Y] EP 1544467 A2 20050622 - TOYOTA JIDOSHOKKI KK [JP]  
• See references of WO 2008001639A1

Cited by  
US11603843B2; WO2019129057A1

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**EP 2034187 A1 20090311; EP 2034187 A4 20121121; EP 2034187 B1 20140820**; JP 2008008161 A 20080117; WO 2008001639 A1 20080103

DOCDB simple family (application)  
**EP 07767139 A 20070618**; JP 2006176931 A 20060627; JP 2007062241 W 20070618