

Title (en)  
ROTARY COMPRESSOR

Title (de)  
ROTATIONSVERDICHTER

Title (fr)  
COMPRESSEUR ROTATIF

Publication  
**EP 2924292 A3 20151021 (EN)**

Application  
**EP 15159760 A 20150319**

Priority  
JP 2014061772 A 20140325

Abstract (en)  
[origin: EP2924292A2] A rotary compressor includes: a cylinder main body (11) that forms a cylinder chamber (10); a rotor (14) fitted onto an eccentric part (9a) of a rotating shaft (9), orbits in the cylinder chamber (10) in accordance with rotation of the rotating shaft, and whose outer circumferential surface (14a) is brought into sliding contact with an inner circumferential surface; and a blade (17) whose front end portion (17a) is brought into contact with the outer circumferential surface (14a) of the rotor and that slides in a blade groove (15) provided in the cylinder main body in accordance with orbiting of the rotor. The blade (17) has a hollow portion (171) therein that allows the blade to be bent in a thickness direction thereof, and the hollow portion is open to a rear end portion (17b) and both side portions of the blade.

IPC 8 full level  
**F01C 1/356** (2006.01); **F04C 18/356** (2006.01)

CPC (source: EP)  
**F01C 21/0809** (2013.01); **F04C 18/3564** (2013.01); **F04C 5/00** (2013.01)

Citation (search report)

- [A] JP H07189924 A 19950728 - HITACHI LTD
- [A] GB 424555 A 19350222 - KARL STEINMANN, et al
- [A] JP 2006233975 A 20060907 - SANYO ELECTRIC CO
- [A] FR 2034144 A1 19701211 - BONNEAU ROLAND

Cited by  
CN108757456A; CN105545738A

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 2924292 A2 20150930; EP 2924292 A3 20151021; EP 2924292 B1 20160907**; JP 2015183613 A 20151022; JP 6396050 B2 20180926

DOCDB simple family (application)  
**EP 15159760 A 20150319**; JP 2014061772 A 20140325