

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À SPIRALES

Publication  
**EP 3543536 A1 20190925 (EN)**

Application  
**EP 17883255 A 20171109**

Priority  
• JP 2016247918 A 20161221  
• JP 2017010245 A 20170124  
• JP 2017040451 W 20171109

Abstract (en)  
Provided is a pin-ring mechanism (26) that supports a driving-side scroll member and a driven-side scroll member such that the driving-side scroll member and the driven-side scroll member are in relative revolving motion. The pin-ring mechanism (26) includes: a pin member (30); a ring member (34) that has an inner ring (34b) which comes into contact with the pin member (30), a plurality of balls (34c) which roll on the inner ring (34b), and a retainer (34d); and a bush 36 that is disposed on an inner periphery of the inner ring (34b), and receives a component of force in a circumferential direction of the inner ring (34b) from the pin member (30) to rotate together with the inner ring (34b).

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

CPC (source: EP US)  
**F01C 1/0215** (2013.01 - EP); **F04C 18/0215** (2013.01 - EP); **F04C 18/023** (2013.01 - US); **F04C 18/0246** (2013.01 - EP)

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 3543536 A1 20190925**; **EP 3543536 A4 20191218**; CN 110139988 A 20190816; CN 110139988 B 20210105; JP 6833872 B2 20210224; JP WO2018116685 A1 20191024; US 2020018310 A1 20200116; WO 2018116685 A1 20180628

DOCDB simple family (application)  
**EP 17883255 A 20171109**; CN 201780078308 A 20171109; JP 2017040451 W 20171109; JP 2018557604 A 20171109; US 201716471292 A 20171109