

Title (en)  
ROTARY MECHANISM

Title (de)  
DREHMECHANISMUS

Title (fr)  
MÉCANISME ROTATIF

Publication  
**EP 3670918 A4 20210428 (EN)**

Application  
**EP 18846743 A 20180719**

Priority  
• CN 201710701301 A 20170816  
• CN 201721025170 U 20170816  
• CN 2018096240 W 20180719

Abstract (en)  
[origin: EP3670918A1] A rotary mechanism, comprising a housing (11), a rotary member (110) and a discharge member (130); an oil and gas mixture is contained in the housing (11); the rotary member (110) is provided in the housing (11) and is rotatable about a rotation axis to drive the oil and gas mixture to form a cyclone flow, whereby under a centrifugal force, the oil content in the oil and gas mixture is smaller as it approaches the rotary member (110); and the discharge member (130) is provided on the housing (11) and extends radially inwardly from the housing (11) to a position where the oil content is equal to or less than a preset amount.

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

CPC (source: EP KR)  
**F04C 18/0215** (2013.01 - EP); **F04C 29/0057** (2013.01 - EP); **F04C 29/02** (2013.01 - EP KR); **F04C 29/026** (2013.01 - EP); **F04C 2210/26** (2013.01 - KR); **F04C 2240/807** (2013.01 - EP); **F05B 2210/14** (2013.01 - KR); **F05B 2260/98** (2013.01 - KR)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2019033894A1

Cited by  
WO2022070527A1

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

DOCDB simple family (publication)  
**EP 3670918 A1 20200624**; **EP 3670918 A4 20210428**; JP 2020531728 A 20201105; JP 2022183232 A 20221208; JP 3242528 U 20230622; KR 20200040802 A 20200420; WO 2019033894 A1 20190221

DOCDB simple family (application)  
**EP 18846743 A 20180719**; CN 2018096240 W 20180719; JP 2020508359 A 20180719; JP 2022163887 A 20221012; JP 2023001406 U 20230426; KR 20207006830 A 20180719