

Title (en)
SCROLL-TYPE POSITIVE-DISPLACEMENT MACHINE

Title (de)
SPIRALVERDRÄNGERMASCHINE

Title (fr)
MACHINE VOLUMETRIQUE A SPIRALES

Publication
EP 3724506 A1 20201021 (FR)

Application
EP 18819531 A 20181115

Priority
• FR 1762225 A 20171215
• FR 2018052855 W 20181115

Abstract (en)
[origin: WO2019115897A1] Scroll-type positive-displacement machine comprising: a first, fixed structure (2) formed by a first transverse disk-shaped end plate (2001), of which one of the surfaces forms a scroll base from which rises a wall defining a first scroll (2002), said end plate (2001) having a first central orifice (407), a second, moving structure (3) formed by a second transverse disk-shaped end plate (3001), of which one of the surfaces forms a scroll base from which rises a wall defining a second scroll (3002), the thickness of the wall of each of said scrolls (2002, 3002) varying between a constant nominal thickness over an intermediate portion that extends over more than one turn, and a reduced thickness at the level of said upper indentations (409, 313) in a central end portion extending between 60° and 120° from the inner end of the scroll, said reduced thickness being less than 50% of said nominal thickness.

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 18/0269** (2013.01); **F04C 18/0284** (2013.01); **F04C 29/0071** (2013.01); **F04C 2240/807** (2013.01)

Citation (search report)
See references of WO 2019115897A1

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)
WO 2019115897 A1 20190620; EP 3724506 A1 20201021; FR 3075251 A1 20190621; FR 3075251 B1 20191108

DOCDB simple family (application)
FR 2018052855 W 20181115; EP 18819531 A 20181115; FR 1762225 A 20171215