

Title (en)
Double-wrap scroll fluid machine

Title (de)
Spiralmaschine mit Doppelspirale

Title (fr)
Machine à double spirale

Publication
EP 1674730 A2 20060628 (EN)

Application
EP 05078071 A 20051222

Priority
JP 2004377650 A 20041227

Abstract (en)
In a double-wrap scroll fluid machine, the first orbiting scroll provides the first orbiting wrap (11) which engages with the first stationary wrap (13) of the first stationary scroll. The first orbiting scroll is revolved by the first driving shaft (5). The second orbiting scroll provides the second orbiting wrap (11) which engages with the second stationary wrap (13) of the second stationary scroll. The second orbiting scroll is revolved by the second driving shaft (5). The inner end of the first driving shaft is connected to the inner end of the second driving shaft to allow them to rotate together by an endless belt (23). The endless belt (23) can easily be detached by spacing the two driving shafts (5).

IPC 8 full level
F04C 18/02 (2006.01); **F04C 23/00** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP KR)
F04C 18/02 (2013.01 - KR); **F04C 18/0215** (2013.01 - EP); **F04C 23/001** (2013.01 - EP); **F04C 29/00** (2013.01 - KR); **F04C 29/005** (2013.01 - EP)

Cited by
CN113187723A; CN108699909A; CN113309699A; WO2021051194A1

Designated contracting state (EPC)
BE

DOCDB simple family (publication)
EP 1674730 A2 20060628; **EP 1674730 A3 20100428**; **EP 1674730 B1 20120411**; JP 2006183561 A 20060713; JP 4537846 B2 20100908; KR 100751769 B1 20070823; KR 20060074897 A 20060703

DOCDB simple family (application)
EP 05078071 A 20051222; JP 2004377650 A 20041227; KR 20050130598 A 20051227