

Title (en)

SCROLL PUMP AND METHOD FOR OPERATING A SCROLL PUMP

Title (de)

SCROLLPUMPE UND VERFAHREN ZUM BETREIBEN EINER SCROLLPUMPE

Title (fr)

POMPE A SPIRALES ET PROCEDE DESTINE AU FONCTIONNEMENT D'UNE POMPE A SPIRALES

Publication

EP 3153708 B1 20190717 (DE)

Application

EP 15188515 A 20151006

Priority

EP 15188515 A 20151006

Abstract (en)

[origin: JP2017072137A] PROBLEM TO BE SOLVED: To provide a scroll pump having an improved electric drive portion.SOLUTION: A scroll pump, in particular, a scroll vacuum pump has at least one scroll pump stage (19) for transporting a gas from a gas inlet (15) to a gas outlet (17) through the scroll pump stage (19), and an electric motor (53) having a stator (55) and a rotor (57), and the rotor (57) is connected to a movable part (21) of the scroll pump stage (19) to drive the movable part (21) of the scroll pump stage (19). A transmission motor (53) is a synchronous motor.SELECTED DRAWING: Figure 1

IPC 8 full level

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Citation (examination)

WO 0238960 A1 20020516 - EBARA CORP [JP], et al

Citation (opposition)

Opponent : EDWARDS LIMITED,

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- WO 03100258 A1 20031204 - LEYBOLD VAKUUM GMBH [DE], et al
- JP 2008298006 A 20081211 - NABTESCO CORP
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- EP 1101943 A2 20010523 - ANEST IWATA CORP [JP]
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- US 6739840 B2 20040525 - CURRY MARK WILLIAM [US], et al
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US11773849B2; US2021102536A1; WO2022090191A1; EP4219947A2; EP4234932A2; EP4253720A2; EP3647599B1

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DOCDB simple family (application)

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