

Title (en)
VACUUM PUMP

Title (de)
VAKUUMPUMPE

Title (fr)
POMPE A VIDE

Publication
EP 1497558 A1 20050119 (DE)

Application
EP 03746827 A 20030415

Priority
• DE 20206267 U 20020420
• EP 0303891 W 20030415

Abstract (en)
[origin: WO03089791A1] The invention relates to a vacuum pump (10) comprising a pump unit (14) and an operator unit (12), which is connected to the pump unit (14) to control the same and is located at a distance from said pump unit (14). The pump unit (14) and the operator unit (12) each have a transceiver module (20, 22) for the bi-directional wireless transmission and receipt of control and operating data. The pump unit (14) and the operator unit (12) are exclusively interconnected in a wireless manner.

IPC 1-7
F04B 49/00

IPC 8 full level
F04B 37/16 (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP US)
F04B 49/00 (2013.01 - EP US); **F04D 27/001** (2013.01 - EP US)

Citation (search report)
See references of WO 03089791A1

Cited by
US10711788B2; US11486401B2; USD890211S; USD1014560S; USD893552S; USD1015378S

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 20206267 U1 20030828; AU 2003226808 A1 20031103; EP 1497558 A1 20050119; EP 1497558 B1 20110615; JP 2005523401 A 20050804; JP 4478462 B2 20100609; TW 200307786 A 20031216; TW I311609 B 20090701; US 2005129535 A1 20050616; US 7544046 B2 20090609; WO 03089791 A1 20031030; WO 03089791 A8 20040401

DOCDB simple family (application)
DE 20206267 U 20020420; AU 2003226808 A 20030415; EP 0303891 W 20030415; EP 03746827 A 20030415; JP 2003586489 A 20030415; TW 92109013 A 20030418; US 51202604 A 20041019