

Title (en)
HOLWECK VACUUM PUMP

Title (de)
HOLWECK-VAKUUMPUMPE

Title (fr)
POMPE A VIDE HOLWECK

Publication
EP 1851440 A1 20071107 (DE)

Application
EP 06707774 A 20060120

Priority
• EP 2006050325 W 20060120
• DE 102005008643 A 20050225

Abstract (en)
[origin: DE102005008643A1] The Holweck pump (10) has a pump rotor (16) with rotating tube (24) and a rotor vane disc (28) on the inlet side with a support ring (30) supporting the rotor pipe. The vanes (18) of the vane disc have on the rotor side shoulders (40) to support the supporting ring. The rotor pipe can cover the entire axial length of the support ring. The axial length of the vanes reduces radially inwards from the shoulder. The rotor pipe is made from a fibre-reinforced material such as chlorofluorocarbon .

IPC 8 full level
F04D 19/04 (2006.01)

CPC (source: EP KR US)
F04D 19/04 (2013.01 - KR); **F04D 19/044** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2008260518 A1 20081023; AT E425365 T1 20090315; CA 2598866 A1 20060831; CN 100564886 C 20091202; CN 101128674 A 20080220; DE 102005008643 A1 20060831; DE 502006003092 D1 20090423; EP 1851440 A1 20071107; EP 1851440 B1 20090311; JP 2008531909 A 20080814; JP 4996486 B2 20120808; KR 20070103759 A 20071024; WO 2006089823 A1 20060831

DOCDB simple family (application)
US 88489606 A 20060120; AT 06707774 T 20060120; CA 2598866 A 20060120; CN 200680005825 A 20060120; DE 102005008643 A 20050225; DE 502006003092 T 20060120; EP 06707774 A 20060120; EP 2006050325 W 20060120; JP 2007556578 A 20060120; KR 20077018537 A 20070813