

Title (en)

LIQUID RING GAS PUMP WITH A SILENCER IN THE PRESSURE CHAMBER

Title (de)

FLÜSSIGKEITSRINGGASPUMPE MIT EINEM GERÄUSCHDÄMPFUNGSKÖRPER IM DRUCKRAUM

Title (fr)

POMPE A GAZ A ANNEAU LIQUIDE POURVUE D'UN AMORTISSEUR DE BRUIT DANS LA CHAMBRE DE REFOULEMENT

Publication

EP 0799382 A1 19971008 (DE)

Application

EP 95942726 A 19951222

Priority

- DE 9420803 U 19941223
- EP 9505093 W 19951222

Abstract (en)

[origin: US5800146A] PCT No. PCT/EP95/05093 Sec. 371 Date Jun. 17, 1997 Sec. 102(e) Date Jun. 17, 1997 PCT Filed Dec. 22, 1995 PCT Pub. No. WO96/20346 PCT Pub. Date Apr. 4, 1996A liquid ring gas pump has a pressure space and a pressure pipe connected to the top of the pressure space. A tubular silencer is suspended from the pressure pipe and extends into the pressure space. The silencers are detachable and may be inserted through the pressure pipe. The detachable silencers are retained by an elastic ring retained in a ring-shaped groove of the pressure pipe.

IPC 1-7

F04C 19/00; **F04C 29/06**

IPC 8 full level

F04B 39/00 (2006.01); **F04C 19/00** (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP US)

F04C 19/007 (2013.01 - EP US); **F04C 29/068** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

US 5800146 A 19980901; AT E167265 T1 19980615; AU 4389196 A 19960719; AU 693307 B2 19980625; CA 2207552 A1 19960704; CA 2207552 C 20050524; DE 59502544 D1 19980716; DE 9420803 U1 19960425; DK 0799382 T3 19990329; EP 0799382 A1 19971008; EP 0799382 B1 19980610; ES 2119511 T3 19981001; FI 113080 B 20040227; FI 972572 A0 19970617; FI 972572 A 19970617; JP 2963202 B2 19991018; JP H10503257 A 19980324; NO 313109 B1 20020812; NO 972683 D0 19970611; NO 972683 L 19970804; WO 9620346 A1 19960704

DOCDB simple family (application)

US 84987097 A 19970617; AT 95942726 T 19951222; AU 4389196 A 19951222; CA 2207552 A 19951222; DE 59502544 T 19951222; DE 9420803 U 19941223; DK 95942726 T 19951222; EP 9505093 W 19951222; EP 95942726 A 19951222; ES 95942726 T 19951222; FI 972572 A 19970617; JP 52020096 A 19951222; NO 972683 A 19970611