

Title (en)
HEAT PUMP FOR HEATING SWIMMING POOL WATER

Title (de)
WÄRMEPUMPE ZUM WÄRMEN VON SCHWIMMBECKENWASSER

Title (fr)
POMPE A CHALEUR DE CHAUFFAGE D'EAU DE PISCINE

Publication
EP 1957889 B1 20100714 (FR)

Application
EP 06841814 A 20061128

Priority
• FR 2006002601 W 20061128
• FR 0512028 A 20051128

Abstract (en)
[origin: FR2894017A1] The pump has a primary circuit (20) including a compressor (10), an expander (14), and a condenser (12) comprising two heat exchange circuits. A heat pump comprises a pressure sensor (18), and a unit e.g. solenoid valve, switching the circulation of a refrigerating fluid between states in which it is circulated in one or two of the heat exchange circuits. A unit controls the switching unit according to the value of the signal from the pressure sensor. An independent claim is also included for a method of heating swimming pool water using a heat pump.

IPC 8 full level
F25B 6/02 (2006.01); **F25B 6/04** (2006.01)

CPC (source: EP US)
F25B 6/02 (2013.01 - EP US); **F25B 6/04** (2013.01 - EP US); **F25B 30/02** (2013.01 - EP US); **F25B 39/04** (2013.01 - EP US);
F25B 49/027 (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US); **F25B 2600/17** (2013.01 - EP US); **F25B 2700/1931** (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)
FR 2894017 A1 20070601; FR 2894017 B1 20080215; AT E474194 T1 20100715; CN 101371084 A 20090218; CN 101371084 B 20100623;
DE 602006015515 D1 20100826; EP 1957889 A1 20080820; EP 1957889 B1 20100714; ES 2351707 T3 20110209;
US 2008296396 A1 20081204; WO 2007060343 A1 20070531

DOCDB simple family (application)
FR 0512028 A 20051128; AT 06841814 T 20061128; CN 200680044235 A 20061128; DE 602006015515 T 20061128; EP 06841814 A 20061128;
ES 06841814 T 20061128; FR 2006002601 W 20061128; US 9528406 A 20061128