

Title (en)
Radial pump

Title (de)
Radialpumpe

Title (fr)
Pompe radiale

Publication
EP 1544474 B1 20070214 (DE)

Application
EP 04450230 A 20041216

Priority
AT 20402003 A 20031218

Abstract (en)
[origin: EP1544474A2] The radial pump, especially a cooling medium pump for an internal combustion engine has at least one first group (5) of impeller blades (6) pivotable around axes (9) parallel to the impeller axis. The group of pivotable impeller blades is located in the region of the flow outlet (22). The group of pivotable impeller blades are automatically pivotable in dependence upon the rotational speed. The pivotable blades are pivot-mounted in the region of the flow outlet side ends of fixed impeller blades (4).

IPC 8 full level
F04D 29/46 (2006.01); **F04D 15/00** (2006.01); **F04D 29/24** (2006.01)

CPC (source: EP)
F04D 15/0055 (2013.01); **F04D 29/247** (2013.01); **F04D 29/466** (2013.01)

Cited by
EP2149712A1; CN105134645A; CN109356859A; CN110296084A; CN102221014A; EP2378128A3; CN107131145A; CN107299910A; CN116877483A; US8641378B2; WO2007131658A1; WO2012175652A1

Designated contracting state (EPC)
AT DE FR IT

DOCDB simple family (publication)
EP 1544474 A2 20050622; EP 1544474 A3 20050706; EP 1544474 B1 20070214; AT 500423 A1 20051215; AT 500423 B1 20060715; AT 500423 B8 20070215; AT E354029 T1 20070315; DE 502004002900 D1 20070329

DOCDB simple family (application)
EP 04450230 A 20041216; AT 04450230 T 20041216; AT 20402003 A 20031218; DE 502004002900 T 20041216