

Title (en)
PUMP, IN PARTICULAR A HIGH-PRESSURE FUEL PUMP

Title (de)
PUMPE, INSBESONDERE KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)
POMPE, EN PARTICULIER POMPE À CARBURANT HAUTE PRESSION

Publication
EP 2649313 B1 20140917 (DE)

Application
EP 11794104 A 20111205

Priority

- DE 102010062678 A 20101209
- EP 2011071784 W 20111205

Abstract (en)
[origin: WO2012076484A1] The pump comprises at least one pump element (18) that has a pump piston (20) which is at least indirectly driven by a rotating drive shaft (14) during a reciprocating motion, said drive shaft (14) including at least one cam (16). The pump further comprises a pump housing (10), inside which the drive shaft (14) is arranged and into which liquid medium is delivered via a supply port (66) and from which liquid medium is discharged via a discharge port (68). The pump housing (10) and the at least one cam (16) of the drive shaft (14) delimit a chamber (64) inside the pump housing (10), said chamber (64), into which the supply port (66) and the discharge port (68) run, extending along the periphery of the at least one cam (16).

IPC 8 full level
F04B 1/04 (2006.01)

CPC (source: EP)
F04B 1/0413 (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102010062678 A1 20120614; CN 103249949 A 20130814; CN 103249949 B 20160302; EP 2649313 A1 20131016; EP 2649313 B1 20140917; JP 2013545029 A 20131219; JP 5739545 B2 20150624; WO 2012076484 A1 20120614

DOCDB simple family (application)
DE 102010062678 A 20101209; CN 201180058827 A 20111205; EP 11794104 A 20111205; EP 2011071784 W 20111205; JP 2013542498 A 20111205