

Title (en)
CONTACT ELEMENT FOR ROTARY PISTON PUMP

Title (de)
KONTAKTELEMENT FÜR DREHKOLBENPUMPEN

Title (fr)
ÉLÉMENTS DE CONTACT POUR POMPES À PISTONS ROTATIFS

Publication
EP 2556255 A2 20130213 (DE)

Application
EP 11729046 A 20110406

Priority
• DE 102010014248 A 20100408
• DE 2011000372 W 20110406

Abstract (en)
[origin: WO2011124212A2] The rotary piston pump (20) according to the invention consists of at least two counter-rotating rotary pistons (22) and an oval pump housing (28). Every rotary piston (22) has a rotary piston vane and is provided with at least one contact element (34a). The contact points of the flanks (24) of the at least two rotary pistons (22) in which the at least two rotary pistons (34) form a friction pairing are provided with at least one contact element (34a) each. The interior (32) of the oval pump housing (28) is likewise provided with at least one exchangeable contact element (34b).

IPC 8 full level
F01C 21/10 (2006.01); **F04C 2/12** (2006.01); **F04C 13/00** (2006.01)

CPC (source: EP US)
F01C 21/106 (2013.01 - EP US); **F04C 2/126** (2013.01 - EP US); **F04C 13/001** (2013.01 - EP US); **F04C 15/00** (2013.01 - US); **F04C 2210/24** (2013.01 - EP US); **F04C 2240/20** (2013.01 - EP US); **F04C 2240/801** (2013.01 - EP US); **F04C 2240/802** (2013.01 - EP US)

Citation (search report)
See references of WO 2011124212A2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102010014248 A1 20111013; **DE 102010014248 B4 20160428**; AU 2011238239 A1 20121115; AU 2011238239 B2 20150813; BR 112012025732 A2 20160628; BR 112012025732 B1 20210223; CL 2012002794 A1 20130208; CN 103201458 A 20130710; CN 103201458 B 20150916; EP 2556255 A2 20130213; EP 2556255 B1 20200805; MX 2012011669 A 20121217; SG 184425 A1 20121129; US 2013129555 A1 20130523; WO 2011124212 A2 20111013; WO 2011124212 A3 20130321

DOCDB simple family (application)
DE 102010014248 A 20110406; AU 2011238239 A 20110406; BR 112012025732 A 20110406; CL 2012002794 A 20121005; CN 201180017563 A 20110406; DE 2011000372 W 20110406; EP 11729046 A 20110406; MX 2012011669 A 20110406; SG 2012073508 A 20110406; US 201213646478 A 20121005