

Title (en)
SEALS FOR ELECTRIC SUBMERSIBLE PUMP

Title (de)
DICHTUNGEN FÜR EINE ELEKTRISCHE TAUCHPUMPE

Title (fr)
JOINTS D'ÉTANCHÉITÉ POUR POMPE SUBMERSIBLE ÉLECTRIQUE

Publication
EP 2948681 A4 20160113 (EN)

Application
EP 14742820 A 20140128

Priority

- US 201361757335 P 20130128
- US 201414164205 A 20140126
- US 2014013296 W 20140128

Abstract (en)
[origin: US2014209291A1] A submersible pump can include a male part that includes an outer diameter; a female part that includes an inner diameter; an elastomeric seal element disposed between the male part and the female part; and a non-elastomeric seal element disposed between the male part and the female part. Various other apparatuses, systems, methods, etc., are also disclosed.

IPC 8 full level
F04D 29/08 (2006.01); **F04D 13/10** (2006.01)

CPC (source: EP US)
F04D 13/10 (2013.01 - EP US); **F04D 29/086** (2013.01 - EP US)

Citation (search report)

- [X1] US 3746472 A 19730717 - RUPP W
- [X1] CA 655286 A 19630101 - CHAS S LEWIS AND COMPANY
- [X1] US 3153382 A 19641020 - BLARCOM JR JAMES P VAN
- [A] US 2550667 A 19510501 - BLOM CARL J
- See references of WO 2014117123A1

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)
US 2014209291 A1 20140731; BR 112015017886 A2 20170711; EP 2948681 A1 20151202; EP 2948681 A4 20160113;
US 2014209292 A1 20140731; WO 2014117123 A1 20140731

DOCDB simple family (application)
US 201414164205 A 20140126; BR 112015017886 A 20140128; EP 14742820 A 20140128; US 2014013296 W 20140128;
US 201414164263 A 20140127