

Title (en)
STATOR

Title (de)
STATOR

Title (fr)
STATOR

Publication
EP 3292308 A4 20181212 (EN)

Application
EP 15891392 A 20151104

Priority
• US 201562156512 P 20150504
• US 2015058921 W 20151104

Abstract (en)
[origin: CN107709778A] A stator assembly for a progressing cavity pump is provided. The stator assembly includes a number of stator laminates having a planar body defining a primary, inner passage and a number of outer passages, the outer passages disposed effectively adjacent the inner passage whereby the inner passage is at least partially defined by a band, wherein the band is outwardly flexible. The stator laminates are coupled to each other in a stack wherein the stator laminate body inner passages define a helical passage. The helical passage is a flexible helical passage.

IPC 8 full level
F04C 2/107 (2006.01)

CPC (source: EP US)
F04C 2/1075 (2013.01 - EP US); **F04C 2230/23** (2013.01 - EP); **F04C 2240/10** (2013.01 - EP); **F04C 2240/20** (2013.01 - EP); **F04C 2240/70** (2013.01 - EP US)

Citation (search report)
• [XA] US 5832604 A 19981110 - JOHNSON HOWARD E [US], et al
• [Y] US 2013149182 A1 20130613 - SRESHTA HAROLD A [US], et al
• [Y] US 2014308145 A1 20141016 - TWIDALE DEREK L [US], et al
• [A] DE 2712122 A1 19780928 - STREICHER FOERDERTECH, et al
• [A] US 4144001 A 19790313 - STREICHER MAX
• See references of WO 2016178710A1

Cited by
WO2023126119A1

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)
CN 107709778 A 20180216; CN 107709778 B 20191105; EP 3292308 A1 20180314; EP 3292308 A4 20181212; EP 3292308 B1 20200610; HK 1244525 A1 20180810

DOCDB simple family (application)
CN 201580080924 A 20151104; EP 15891392 A 20151104; HK 18103873 A 20180320