

Title (en)

Stator for a progressive cavity pump and method of construction

Title (de)

Stator für eine Exzentrerschneckenpumpe und Verfahren zu seiner Herstellung

Title (fr)

Stator pour une pompe à cavité progressive et procédé de fabrication

Publication

EP 1736668 A3 20090923 (DE)

Application

EP 06012833 A 20060622

Priority

DE 102005028818 A 20050622

Abstract (en)

[origin: DE102005028818B3] Stator comprises axially arranged stator segments (2, 3) connected pressure-tight on their contact points (12) by a tube (15) pulled onto a casing (4) and overlapping the contact points and a radially flattened metal ring (16). The tube is made from a polymeric material. An independent claim is also included for a method for producing a stator. Preferred Features: The casing has smooth walls or is coiled. The stator segments with the casing are combined with each other. The stator segments have different geometries.

IPC 8 full level

F04C 2/107 (2006.01)

CPC (source: EP US)

F04C 2/1075 (2013.01 - EP US); **Y10T 29/49242** (2015.01 - EP US)

Citation (search report)

- [DY] DE 1985861 U 19680522 - STREICHER MAX [DE]
- [Y] US 3889354 A 19750617 - NISHI SUNAO, et al
- [Y] DE 1525648 A1 19690612 - GEN ELECTRIC CO LTD
- [A] SELCK M A D: "EINE KALTE ALTERNATIVE ZUM SCHWEISSEN/TEMPERATUR- UND MEDIUMUNABHÄNGIGES FITTINGSYSTEM FÜR LEITUNGSSYSTEME ÜBER 16 BAR//A COLD ALTERNATIVE TO WELDING//A NON-TEMPERATURE AND NON-FLUID DEPENDENT FITTING SYSTEM FOR PIPING SYSTEMS FOR > 16 BAR", 3R INTERNATIONAL, VULKAN-VERLAG, ESSEN, DE, vol. 40, no. 8, 1 January 2001 (2001-01-01), pages 497 - 500, XP001078062, ISSN: 0340-3386

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102005028818 A 20050622; CA 2551292 A 20060622; EP 06012833 A 20060622; US 47254106 A 20060622