

Title (en)

STATOR ELEMENT OF A PROGRESSIVE CAVITY PUMP AND PROGRESSIVE CAVITY PUMP

Title (de)

STATORELEMENT EINER EXZENTERSCHNECKENPUMPE UND EXZENTERSCHNECKENPUMPE

Title (fr)

ÉLÉMENT DE STATOR D'UNE POMPE À CAVITÉS PROGRESSIVES ET POMPE À CAVITÉS PROGRESSIVES

Publication

**EP 3797223 A1 20210331 (FR)**

Application

**EP 19730401 A 20190516**

Priority

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- FR 2019051113 W 20190516

Abstract (en)

[origin: WO2019224457A1] The invention relates to a stator element of a progressive cavity pump, the stator element including: a reinforcement tube (20) having a longitudinal axis (A-A), an inner face (22) and an outer face (24), and an elastomer lining attached to the inner face of the reinforcement tube. At least one portion of the reinforcement tube (20) has a substantially constant thickness (e) and said portion of the reinforcement tube (20) is deformed so that it comprises at least a first raised pattern (28) and a second raised pattern (30), the first raised pattern (28) being in the shape of a helical strip having a right-handed thread with respect to the longitudinal axis (A-A), the second raised pattern (30) being in the shape of a helical strip having a left-handed thread with respect to the longitudinal axis (A-A), the first and second raised patterns meeting in least at one section (32).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019224457A1

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Designated extension state (EPC)

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