

Title (en)  
PUMP HOUSING

Title (de)  
PUMPENGHÄUSE

Title (fr)  
CARTER DE POMPE

Publication  
**EP 3824162 B1 20231004 (DE)**

Application  
**EP 19718682 A 20190417**

Priority  
• DE 102018117374 A 20180718  
• EP 2019059925 W 20190417

Abstract (en)  
[origin: WO2020015873A1] A pump housing (4) for an eccentric screw pump, comprising a housing casing (5) extending along a housing longitudinal axis (L), a first end-face opening (6), to which a shaft seal (7) for a connection shaft (8) can be connected, and a second end-face opening (10), to which a stator (I) can be connected, and comprising a tubular inlet nozzle (11), oriented transversely to the housing longitudinal axis (L), for feeding a medium that is to be conveyed, which inlet nozzle is connected to the housing casing (5) tangentially, offset in relation to the housing longitudinal axis (L). The geometry of the inlet nozzle (11) is designed in such a way that, as the medium flows into the housing interior through the inlet nozzle (II), a flow (S) is generated which has a radial direction component (RI) directed away outwardly from the housing longitudinal axis (L) and/or an axial direction component (R2) directed towards the first end-face opening (6).

IPC 8 full level  
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CPC (source: EP US)  
**F01C 21/10** (2013.01 - EP); **F04C 2/1071** (2013.01 - EP US); **F04C 2/1073** (2013.01 - US); **F04C 2/16** (2013.01 - US); **F04C 13/005** (2013.01 - EP US); **F04C 15/0065** (2013.01 - US); **F04C 15/06** (2013.01 - US); **F04C 18/1075** (2013.01 - US); **F04C 2240/30** (2013.01 - US); **F04C 2240/60** (2013.01 - US); **F04C 2250/101** (2013.01 - EP US)

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