

Title (en)
MULTISTAGE PUMP FOR SUBMERSIBLE ELECTRIC PUMPS

Publication
EP 0267445 A3 19900207 (EN)

Application
EP 87114884 A 19871013

Priority
IT 2229786 A 19861111

Abstract (en)
[origin: EP0267445A2] A multistage pump for submersible electric pumps is described in which the axial anchoring and the centering of the stage body assembly are achieved by means of anchoring and centering elements consisting of projections (12a, 12c) provided in the outer casing (1) of the pump. This allows a more solid and economical construction and a simplification of the assembly and disassembly of the pump, with a reduction of the number of inner structural locking elements. The floating-ring (24) sealing construction of the stage bodies (2) allows an improvement of the sealing effect and of the hydraulic performance.

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IPC 8 full level
F04D 13/10 (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 13/10 (2013.01); **F04D 29/628** (2013.01); **F05D 2260/36** (2013.01)

Citation (search report)
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• [A] GB 211848 A 19240529 - SULZER AG
• [A] US 2667128 A 19540126 - BERGH CHARLES J
• [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 163 (M-229)[1308], 16th July 1983; & JP-A-58 070 091 (SHINDOU PONPU K.K.) 26-04-1983

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EP3242031A1; EP1729013A1; CN102678627A; CN100366914C; EP0554803A1; US5271725A; CN102937099A; EP0566087A1; US5401146A; GB2250544A; US5154588A; US10995748B2; WO2007140549A1; WO2018114660A1

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