

Title (en)
IMPROVED ELECTRIC PUMP PARTICULARLY SUITABLE FOR PUMPING LIQUIDS CONTAINING SOLID IMPURITIES

Title (de)
VERBESSERTE ELEKTRISCHE PUMPE ZUM PUMPEN VON FLÜSSIGKEITEN MIT FESTEN VERUNREINIGUNGEN

Title (fr)
POMPE ÉLECTRIQUE AMÉLIORÉE PARTICULIÈREMENT ADAPTÉE AU POMPAGE DE LIQUIDES CONTENANT DES IMPURETÉS SOLIDES

Publication
EP 2916008 A1 20150909 (EN)

Application
EP 15158048 A 20150306

Priority
IT VI20140052 A 20140307

Abstract (en)
Electric pump (1) comprising: a tubular jacket (2) developing according to a longitudinal direction (X), provided with an inlet mouth (3) and an outlet mouth (4) for the passage of a liquid; a multistage pumping device (15) arranged in the tubular jacket (2) and delimited by a tubular casing (6) separated from the tubular jacket (2) by means of an interspace (9), the tubular casing (6) being provided with a suctioning mouth (7) communicating with the inlet mouth (3) and a delivery mouth (8) communicating with the interspace (9), the pumping device (15) being actuated by a driving device (16) arranged in the tubular casing (6) for pumping the liquid from the suctioning mouth (7) towards the delivery mouth (8); sealing means (10) arranged in the interspace (9) in intermediate position between the suctioning mouth (7) and the delivery mouth (8) for preventing the liquid from flowing from the delivery mouth (8) towards the suctioning mouth (7), the sealing means (10) being arranged between the diffuser unit and the delivery mouth (8) according to the longitudinal direction (X).

IPC 8 full level
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CPC (source: EP)
F04D 1/063 (2013.01); **F04D 13/06** (2013.01); **F04D 29/086** (2013.01); **F04D 29/5806** (2013.01)

Citation (search report)
• [A] EP 0664398 A1 19950726 - WILO GMBH [DE]
• [AP] WO 2014187648 A1 20141127 - GRUNDFOS HOLDING AS [DK]
• [A] WO 2009125363 A1 20091015 - PEDROLLO SPA [IT], et al
• [A] EP 1028255 A1 20000816 - EBARA CORP [JP]

Cited by
CN109026750A; CN109185179A; EP3290712A1; IT201600089875A1; IT202000004876A1

Designated contracting state (EPC)
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