

Title (en)
PUMP EQUIPPED WITH IMPROVED FLANGES

Title (de)
PUMP MIT VERBESSERTEN FLANSCHEN

Title (fr)
POMPE AVEC BRIDES AMÉLIORÉ

Publication
EP 3269984 A1 20180117 (EN)

Application
EP 17177919 A 20170626

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Abstract (en)
The invention is a pump (1, 50) comprising: a pump body (2) in which there are a suction inlet (3) and a delivery outlet (4); a pumping unit (5) housed in the pump body (2) and configured to be connected to an electric motor (6) by means of a transmission shaft (7); a pair of flanges (8), one associated with the suction inlet (3) and one associated with the delivery outlet (4), each flange (8) comprising a flange body (10, 100) equipped with a front sealing surface (12) and a peripheral securing ring (14, 140) for connection to a corresponding counterflange. The securing ring (14, 140) is associated with the respective flange body (10, 100) by means of a threaded joint (16, 160) comprising a female thread (160a) which is located inside the securing ring (140) only for part (A1) of its thickness (A) and a male thread (160b) which is located outside the flange body (100) only for part (F1) of its thickness (F).

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• [A] EP 0566089 A1 19931020 - EBARA CORP [JP]
• [A] EP 0566086 A1 19931020 - EBARA CORP [JP]
• [AD] EP 0907029 A2 19990407 - GRUNDFOS AS [DK]
• [A] DE 9310091 U1 19930923 - HARTLAGE GMBH & CO KG J [DE]

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