

Title (en)
PUMP ASSEMBLY

Title (de)
PUMPENANORDNUNG

Title (fr)
ENSEMBLE DE POMPE

Publication
EP 3667090 A1 20200617 (EN)

Application
EP 18212323 A 20181213

Priority
EP 18212323 A 20181213

Abstract (en)
The present disclosure is directed to a pump assembly (1) comprising- a rotor axle (45) extending along a rotor axis (R),- an impeller (12) fixed to the rotor axle (45),- a pump housing (11) accommodating the impeller (12),- a drive motor comprising a stator (17) and a rotor (51), wherein the rotor (51) is fixed to the rotor axle (45) for driving the impeller (12),- a rotor can (57) accommodating the rotor (51), wherein the rotor can (57) comprises a rotor can flange (63),- a stator housing (13) accommodating the stator (17),- a first radial bearing ring (47) being in sliding contact with the rotor axle (45), and- a bearing retainer (41) comprising a bearing retainer flange (43) and embracing the first radial bearing ring (47).The rotor can flange (63) comprises a stop surface (79) facing away from the impeller (12), wherein the bearing retainer (41) is resiliently springloaded for biasing the stop surface (79) of the rotor can flange (63) axially away from the impeller (12) against a locking ring (85).

IPC 8 full level
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Citation (applicant)
EP 2072828 A1 20090624 - GRUNDFOS MANAGEMENT AS [DK]

Citation (search report)
• [XI] US 5117138 A 19920526 - TRIAN HERVE [FR]
• [XI] EP 3382206 A1 20181003 - GRUNDFOS HOLDING AS [DK]

Designated contracting state (EPC)
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