

Title (en)
PUMP ASSEMBLY

Title (de)
PUMPENANORDNUNG

Title (fr)
ENSEMBLE DE POMPE

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Application
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Abstract (en)
[origin: EP3667092A1] 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), wherein the pump housing (11) defines a first radial inner reference surface (71),- 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) embracing the first radial bearing ring (47) and centring the first radial bearing ring (47) with respect to the first radial inner reference surface (71) of the pump housing (11).The rotor can flange (63) has a radial distance to the pump housing (11) and the rotor can (57) comprises a radial inner centring surface (65) being centred by radially abutting against a radial outer centring surface (67) of the bearing retainer (41).

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