

Title (en)

Circulation pump

Title (de)

Umwälzpumpenaggregat

Title (fr)

Groupe motopompe de circulation

Publication

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Application

EP 15158261 A 20150309

Priority

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Abstract (en)

[origin: CN105952653A] The invention relates to a circulation pump unit comprising an electric drive motor (10, 16), at least one impeller (6) driven by the electric drive motor (10, 16), and an electronic control device which controls the drive motor (10, 16), wherein the control device (22) has at least one first fluid detection function (A1), in which the control device (22) controls the drive motor (10, 16) such that it rotates successively with at least two different rotational speeds or in different rotational directions (CW, CCW) . The control device (22) separately senses the electrical power consumption (P) and detects at least one property of the fluid in the impeller (6) on the basis of an evaluation of the detected electrical power receptacles (P) for the different rotational speeds or rotational directions (CW, CCW). The invention also provides a method for operating such a circulating pump unit.

IPC 8 full level

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Cited by

EP3376040A1; CN110418895A; EP3838082A1; CN114828705A; WO2018166969A1; WO2020244927A1; US11641975B2; WO2021122782A1

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