

Title (en)

CENTRIFUGE AND METHOD FOR MONITORING A TORQUE

Title (de)

ZENTRIFUGE UND VERFAHREN ZUR ÜBERWACHUNG EINES DREHMOMENTS

Title (fr)

CENTRIFUGEUSE ET PROCÉDÉ POUR CONTRÔLER UN COUPLE

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Application

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Abstract (en)

[origin: CA2833426A1] The invention relates to a solid bowl worm centrifuge for processing drilling muds, comprising a rotatable drum (1) and a rotatable worm (2), wherein the centrifuge has a drive device for driving the drum and the worm with a drive motor as well as a gear assembly for producing a differential rotational speed between the drum (1) and the worm (2) when the centrifuge is in operation. According to the invention, a gear input shaft (20) of the gear assembly is rotationally fixed by an overload lever arm (47) that can be triggered in the event of a torque overload, the overload lever arm (47) being directly and detachably connected with one end thereof and at a radial distance from the rotation axis of the gear input shaft to said gear input shaft (20) or to a part that is connected thereto in a rotationally fixed manner. The invention also relates to a method for monitoring the torque.

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