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(54) Title: A CENTRIFUGAL SEPARATOR FOR SEPARATING A LIQUID MIXTURE

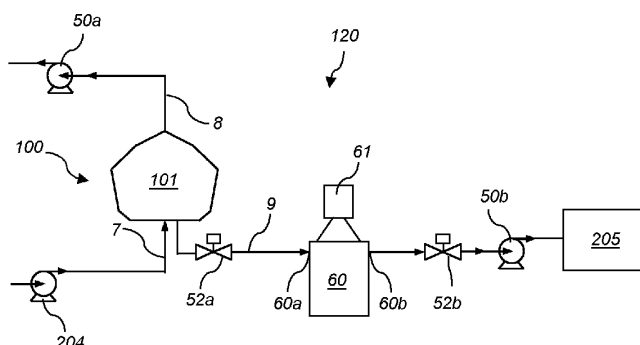


Fig. 1

(57) Abstract: The present invention provides a separation system (120) for separating a liquid mixture comprising comprising a centrifugal separator (100), wherein the centrifugal separator (100) comprises a stationary frame (30), a rotatable assembly (101) and a drive unit (34) for rotating the rotatable assembly (101) relative the frame (30) around an axis of rotation (X). The separator further comprises a feed inlet (20) for receiving a liquid mixture to be separated, a first liquid outlet (21) for discharge of a separated liquid light phase and a second liquid outlet (22) for discharge of a liquid heavy phase having a density that is higher than said liquid light phase. The rotatable assembly (101) comprises a rotor casing (2) enclosing a separation space (17) in which a stack (19) of separation discs is arranged to rotate around a vertical axis (X) of rotation, wherein the separation space (17) is arranged for receiving liquid mixture from said feed inlet (20). The separation system (120) further comprises a container (60) arranged downstream of said first and/or second liquid outlet (21,22) for receiving discharged liquid phase, and a scale (61) for measuring the weight of discharged liquid phase contained in said container (60).

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