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(54) Title: EXTRUDER

(54) Bezeichnung : SCHNECKENPRESSE

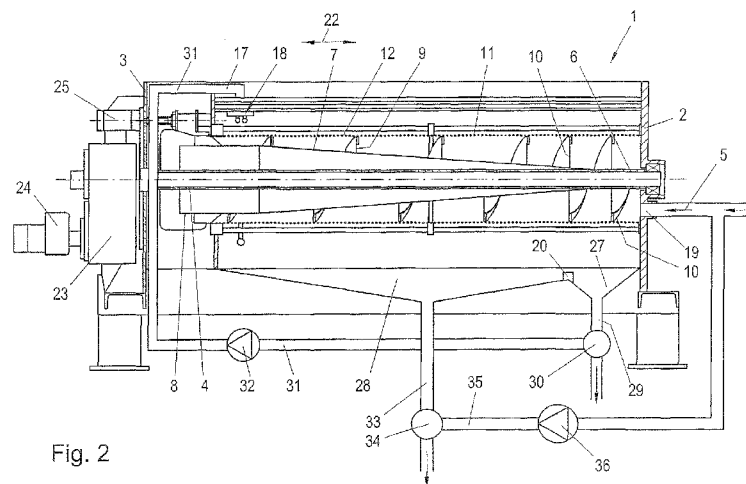


Fig. 2

(57) Abstract: In an extruder (1) comprising a worm shaft (4) mounted in a rotatable manner in mutually opposing frames (2, 3), which worm shaft (4) has a diameter that widens in a substantially conical manner between an inflow orifice (19) for crude liquid and a discharge orifice for dewatered material, and on which worm shaft (4) there is arranged at least one screw blade (9) that extends with a substantially uniform pitch, also arranged in the frame is a filter screen (11) which cylindrically surrounds the worm shaft (4) and has a multiplicity of filter orifices (12), wherein a cleaning device for the filter screen (11), said cleaning device having a plurality of cleaning nozzles, and also a funnel-shaped filtrate pan (13) arranged under the filter screen (11) are additionally arranged on the outer side of the filter screen (11), the worm shaft (4) is formed in a cylindrical manner (6) in the region of the inflow orifice (19) for crude liquid, in a conical manner (7), widening in the direction of the discharge orifice, in the central region of the extruder, and in a cylindrical manner (8) in the region of the discharge orifice, and the filtrate pan (13) arranged under the filter screen (11) is formed with at least two chambers (14, 15, 27, 28) or two mutually separate regions, which two chambers (14, 15, 27, 28) are each provided with an outflow (16, 21) for filtrate and the first chamber (15, 27) has, in the region of the inflow orifice (19), a longitudinal extent which corresponds at least to the length of the cylindrically formed region (6) of the worm shaft (1) in the region of the inflow orifice (19) for crude liquid.

(57) Zusammenfassung:

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