

Title (en)
CENTRIFUGAL SEPARATOR

Title (de)
ZENTRIFUGALTRENNER

Title (fr)
SEPARATEUR CENTRIFUGE

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Application
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Abstract (en)
[origin: WO9325314A1] A centrifugal separator to clean a liquid from a substance having a lower density than the liquid, comprising a rotor forming a separation chamber (6), in which a stack of conical separation discs (15) is arranged. Liquid and substance dispersed therein flow radially outwards in interspaces between the discs. To increase the separation capability upon a high flow through the separator the separation discs (15) have a radial inner zone (29a), which has no obstacles for primary flow in the circumferential direction and a radial outer zone (28a), which has so many equally around the rotational axis distributed elongated and through the outer zone (28a) extending obstacles (27a) for liquid flow in circumferential direction that the primary flow in this zone (28a) takes place radially outwards between the obstacles (27a). The obstacles (27a) have such a length and such a direction in relation to the primary flow that the liquid flow in a layer closest to a layer of substance so influences the layer of substance that separated substance is accumulated on and flows radially inwards along the flow obstacle (27a) ahead.

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