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Abstract (en)  
[origin: WO2010125049A1] The invention relates to a separator comprising a centrifugal drum (1) having a vertical rotational axis, in which centrifugal drum a separator disk assembly (2) is arranged, which comprises a plurality of separator disks (3) stacked on top of each other and is divided into a lower separator disk assembly section (6) and an upper separator disk assembly section (7), wherein the one separator disk assembly section (6) is designed as a separating device for separating an inflowing material to be centrifuged in the centrifugal field into two liquid phases (L1, L2) or as a combined separating and clarifying device for separating an inflowing material to be centrifuged in the centrifugal field into two liquid phases (L1, L2) and for clarifying to remove a solid phase and the other separator disk assembly section (7) is designed as a clarifying device for clarifying a liquid phase to remove solids (S1).

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