

Title (en)
THREE-PHASE SEPARATOR

Title (de)
DREI-PHASEN-TRENNSEPARATOR

Title (fr)
SÉPARATEUR À TROIS PHASES

Publication
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Application
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Abstract (en)
[origin: CA2691931A1] The invention relates to a separator having a separator drum (1) which is , at least on the interior, singly or doubly conical, and which is rotatably mounted on only one of the axial ends thereof about a vertical axis, and having the following: a rotary spindle on only the lower end or the upper end thereof for driving the separator drum, which is mounted in a pendulating manner about a hinge point (G); a supply tube (4) for a product to be processed; at least two fluid outlets (11, 13) for a lighter phase (LP) and a heavy phase (HP); preferably solid material discharge openings (20) in the area of the largest inner circumference of the drum; a separation pan assembly (9) arranged in the separator drum; and a pressure chamber (17) acted on by a fluid to change the location of the separation zone (rE) between the light and the heavy phases (LP, HP).

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Citation (search report)
See references of WO 2009003639A1

Citation (examination)
• US 4417885 A 19831129 - KOHLSTETTE WERNER [DE], et al
• WO 9207658 A1 19920514 - ALFA LAVAL SEPARATION AB [SE]
• DE 1140144 B 19621122 - WESTFALIA SEPARATOR AG
• WO 8601436 A1 19860313 - ALFA LAVAL ZETA AS [DK]
• DE 102005021331 A1 20061109 - WESTFALIA SEPARATOR AG [DE]
• WO 2006096113 A1 20060914 - ALFA LAVAL CORP AB [SE], et al

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