

Title (en)
SEPARATOR

Publication
EP 0018575 B1 19830713 (DE)

Application
EP 80102150 A 19800422

Priority
DE 2916856 A 19790426

Abstract (en)
[origin: US4325825A] A separator for separating liquids immiscible with each other and containing solids heavier than the heavier liquid, includes a rotating conic drum into which the liquids are injected. The drum has a circumferential wall formed of two oppositely-directed conic surfaces joined at the bases at an inclination angle to form an equator; and openings are provided at the equator for the heavier liquid and the solids to pass. Preferably, the drum has a star-like cross section with the interior wall extending inward at an angle from either side of each opening. The separator can include a weir or paring disc disposed radially in the static pressure chamber at a nominal level of the heavier liquid to maintain proper pressure of the heavier fluid to prevent the lighter liquid from discharging into the static pressure chamber. Alternatively, a sensor and valve arrangement can be provided to achieve this benefit.

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B04B 1/12

IPC 8 full level
B04B 1/08 (2006.01); **B04B 1/12** (2006.01)

CPC (source: EP US)
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Cited by
CN111212690A; DE4402041C1; DE19948118A1; DE19948118C2; EP2962763A1; AU2015203363B2

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