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Method for the separation of a first liquid from a second oneAbstract of disclosure

The method serves for the separation of a first liquid from a second liquid, with the one liquid not being soluble in the other, with the first liquid being contained as droplets in the second one, and with the two liquids having different densities. The method comprises the following three steps:

1. for the production of a coalescence of the droplets the liquid mixture is conducted during a first time interval as a turbulent flow through installations (110, 113) — in particular through a filler body which can be used in a packing column or through a static mixer —,
2. the flow is held at a reduced speed during a second time interval for a further development of the coalescence and
3. finally the flow is conducted at a further reduced speed opposite to or with the force of gravity respectively, with larger descending or rising drops (122) respectively being collected and separated out, whereas smaller droplets (123) are carried along further by the second liquid.

(Figures 1 and 2)