

Device for carrying out material exchange processes

Abstract

- 5 The invention relates to an apparatus for carrying out mass transfer processes, comprising a column having at least two inlet pipes for introducing a gaseous phase, where separation-active internals are accommodated in the column and a column section extends from the at least two inlet pipes to the separation-active internals, in which section a coverage of a cross-sectional area of the column is less than 25%, based on the total cross-sectional area, and where the at
- 10 least two inlet pipes have a height offset which corresponds to not more than three times an inlet pipe diameter and the at least two inlet pipes are at an angle (α) of from 60° to 150° to one another and have asymmetry with respect to one another. The invention further relates to a use of the apparatus and also a method for designing the apparatus.