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(54) Title: COLUMN FOR COUNTER-CURRENTLY CONTACTING GAS AND LIQUID

(57) Abstract

Column (1) for counter-currently contacting gas and liquid having a gas inlet and a liquid outlet arranged in its lower end and a liquid inlet and a gas outlet arranged in its upper end, which column is provided with a plurality of horizontal contact trays (5, 6, 7, 8) arranged axially spaced apart in the column (1), each contact tray (5, 6, 7, 8) being provided with passages and a downcomer (10, 11, 12, 13) opening below the contact tray (5, 6, 7, 8), and with a plurality of horizontal separation trays (15, 16, 17) provided with swirl tubes (20, 21, 22) and with means (29, 30, 31) for removing liquid from the separation tray (15, 16, 17), each separation tray (15, 16, 17) being arranged above a contact tray (6, 7, 8), wherein each swirl tube (20, 21, 22) is provided with an annular U-turn deflector (34, 35, 36) arranged over the upper end of the swirl tube (20, 21, 22).

