

Title (en)

METHOD FOR CONTROLLING A RECTIFICATION COLUMN

Title (de)

VERFAHREN ZUR REGELUNG EINER REKTIFIKATIONSKOLONNE

Title (fr)

PROCÉDÉ DE RÉGULATION D'UNE COLONNE DE RECTIFICATION

Publication

**EP 3493888 A1 20190612 (DE)**

Application

**EP 17751062 A 20170801**

Priority

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Abstract (en)

[origin: WO2018024711A1] The present invention relates to a method for controlling a concentration of a first component of a rectification column for separating a binary mixture of the first component with a second component on the basis of temperature measurements, wherein a control path defined by temperature sensors (T3, T2, T6) arranged in the longitudinal direction of the column is linearized with the aid of an estimated temperature profile, wherein a real temperature profile  $T^*(h)$ , determined by means of the temperature sensors, is approximated by a function  $T(h)$  in dependence on a column height  $h$ , wherein the column is divided into two sections along the column height  $h$  and the function  $T(h)$  is defined section by section on the basis, in each case, of a logistical function.

IPC 8 full level

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