

PATENT

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FLUID DISTRIBUTING-COLLECTING SYSTEM AND ITS PROCESS

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ABSTRACT

Fluid distributing-collecting system for a device for bringing fluids and solids into contact and comprising several distributor plates and several panels for mixing, distributing or extracting fluids.

The system comprises:

- at least one level 1 chamber (N_1) in connection with the outside of said device with at least one hose,
- at least one so-called level 2 chamber (N_{20} , N_{21}) that is linked with chamber (N_1) and that comprises one or more connecting hoses $C(N_{20})_j$, $C(N_{21})_j$ of length l_i that are arranged in at least one zone (Z_{20} , Z_{21}), whereby said zone is identified relative to an angle α relative to a radius of a plate and corresponds to a given angle

sector, whereby said lengths l_i , angle α and the angle sector are selected so that the injected fluid arrives approximately at the same time on all of the panels of the same plate (P_n).

Application for the separation of paraxylene in a simulated moving bed.

Figure 1 to be published.

FIG.1

