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PATENT



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FRENCH PETROLEUM INSTITUTE



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DISTRIBUTOR-MIXER-EXTRACTOR OF FLUIDS AND ASSOCIATED PROCESS

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ABSTRACT

Device (DME) or panel for collecting, distributing, mixing or drawing off several fluids, at least one main fluid and at least two secondary fluids, that comprises at least:

- means for collecting a main fluid (3, 9),
- at least two injection and/or draw-off rails (6, 7) that allow the passage of secondary fluids,
- at least two mixing chambers (11a, 11b) that communicate with injection and/or draw-off rails (6, 7) with orifices or passages (6i, 7i),
- means (12, 4) for redistributing the fluid that is obtained from said mixing chambers,
- means (5a, 5b) for separating collecting and redistributing means and draw-off rails (6, 7) are

arranged one above the other, and mixing chambers (11a, 11b) are arranged on both sides of the rails and symmetrically relative to the orifices that have an injection function.

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

Figure 1 to be published.

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Drawing for the Abstract

