

**ABSTRACT****PREDISTRIBUTION FILTER PLATE WITH OVERFLOW TUBE FOR A  
FIXED-BED REACTOR WITH DESCENDING GAS/LIQUID CO-CURRENT  
FLOW**

The device described in the present invention allows pre-distribution of the gas and liquid feed supplying a reactor functioning in gas and liquid co-current downflow mode to be carried out by means of a pre-distribution plate comprising a filtration medium and an overflow tube in order to regulate the flow of liquid arriving on the distributor plate located downstream of said device.

More particularly, the present invention is applicable to the selective hydrogenation treatment of feeds containing acetylenic and dienic compounds.

[Figure. 1]