

## Hydrogenation of aromatics by means of reactive distillation

### Abstract

5 In a process for hydrogenating unsubstituted monocyclic or polycyclic aromatics or  
monocyclic or polycyclic aromatics substituted by at least one alkyl group, amino group or  
hydroxyl group or a combination of two or more thereof to form the corresponding  
cycloaliphatics by means of gaseous hydrogen in the presence of at least one catalyst in a  
10 reaction column (4) in which the reactants are passed over the catalyst(s) (5) fixed in the  
reaction column (4), the cycloaliphatics are taken off at a side offtake (14) or from the  
bottom of the column (6) through a line (8) or at the side offtake (14) and from the bottom  
of the column (6) through a line (8).



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