Process for the manufacture of amines by hydrogenation of nitrile compounds

The present invention relates to a process for the manufacture of amine compounds by hydrogenation of nitrile compounds in the presence of a catalyst.

It relates more particularly to a process for the manufacture of diamines by continuous hydrogenation of dinitrile compounds in the presence of a catalyst based on a Raney metal. The process of the invention relates to the control of the molar flow rate of nitrile compounds and the flow rate by weight of catalyst in the hydrogenation plug-flow reactor in order to minimize the formation of impurities and the deterioration in the activity of the catalyst.