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AGW2323

Process for Producing Pyrrolidone
and N-Alkyl Pyrrolidones

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Abstract

The invention relates to a process for producing pyrrolidone and N-alkyl pyrrolidones from saturated or unsaturated 1,4-dicarboxylic acids and their anhydrides; hydrogen; and a primary amine or ammonia, characterized in that the dicarboxylic acid or its anhydride is allowed to react in an appropriate reactor with hydrogen or ammonia via a first catalyst bed and the unisolated intermediate product is subsequently reacted with the primary amine or ammonia directly via a second, downstream catalyst bed.

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