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ABSTRACT

Disclosed is an improvement in a process for catalytic production of methylamines from methanol and NH_3 , or methanol, a mixture of methylamines and NH_3 , or a mixture
5 of methylamines and NH_3 , in a gaseous phase, over a bed of a zeolite catalyst, where the improvement is that the catalyst bed is divided into two or more sub-beds, and the difference between the inlet and outlet temperatures of
10 each catalyst sub-bed is kept in the range of approximately 5°C to approximately 70°C while the reaction is carried out.

FIGURE 1

This Sheet Has Been Replaced

