

ABSTRACT

APPARATUS AND PROCESS FOR PRODUCING ϵ -CAPROLACTAM

An apparatus for the production of ϵ -caprolactam is provided which comprises (i) a fluidized bed reactor having a solid catalyst therein for subjecting cyclohexanone oxime to a rearrangement reaction to obtain a reaction product containing unreacted cyclohexanone oxime and (ii) a fixed bed reactor packed with a solid catalyst for subjecting the unreacted cyclohexanone oxime to a rearrangement reaction to obtain ϵ -caprolactam. Using the apparatus, ϵ -caprolactam is obtained with a high yield.

This Sheet Has Been Replaced

