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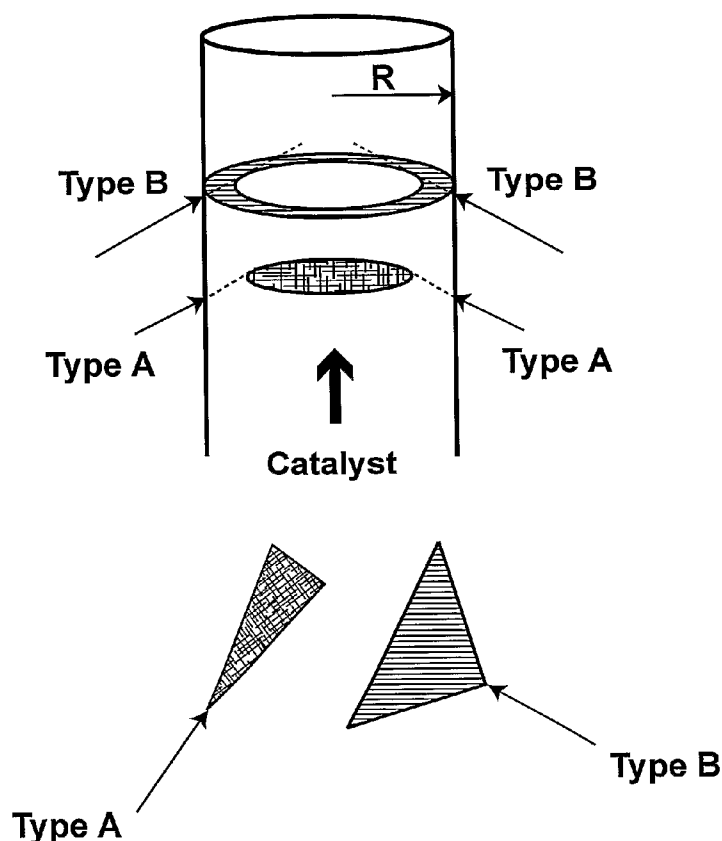
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(54) Title: FCC FEED INJECTION SYSTEM



(57) Abstract: This invention relates to an apparatus and process for injecting a petroleum feed. More particularly, a liquid petroleum feed is atomized with a nozzle assembly apparatus in which the apparatus has injection nozzles that produce a generally flat spray pattern of finely dispersed feed. The injection nozzles are each designed such that the overall effect of the different spray patterns from the individual nozzles provides a more uniform feed coverage across the catalyst stream.

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