



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: FLUID CAT CRACKING WITH HIGH OLEFINS PRODUCTION

## (57) Abstract

The propylene production of a fluid catalytic cracking unit (10) employing a large pore zeolite cracking catalyst, produces more propylene by adding a naphtha cracking riser (12) and a medium pore zeolite catalytic component to the unit (10), and recycling at least a portion of the naphtha crackate to the naphtha riser (12). The large pore size zeolite preferably comprises a USY zeolite and the medium pore size is preferably ZSM-5. Propylene production per unit of naphtha feed to the naphtha riser (12) is maximized, by using the 60-300 °F naphtha crackate as the feed.

