



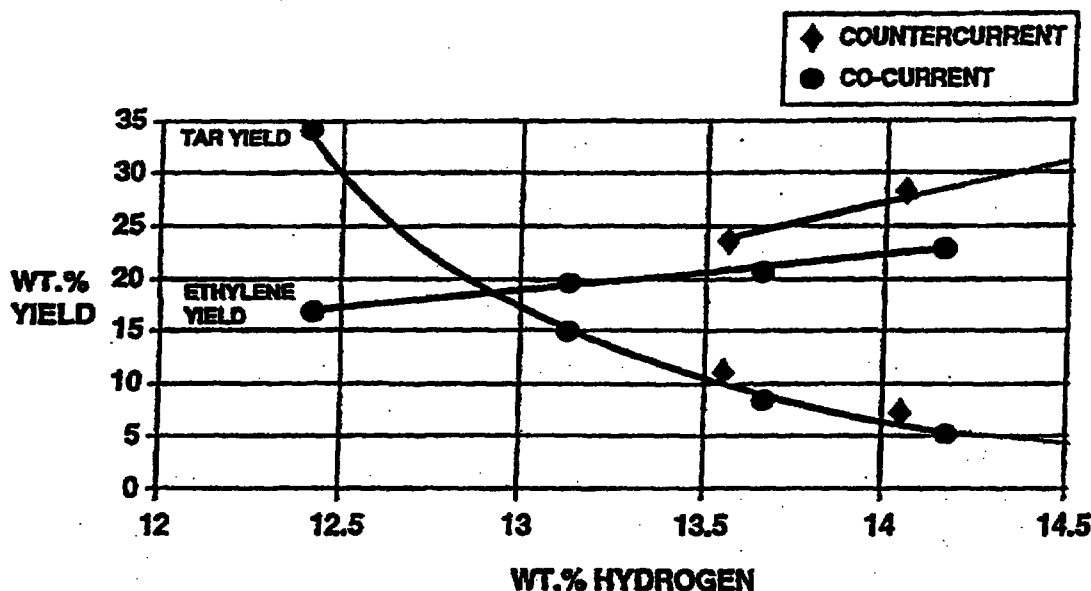
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(54) Title: PROCESS FOR INCREASED OLEFIN YIELDS FROM HEAVY FEEDSTOCKS **✓**

(57) Abstract

A process for upgrading petroleum feedstocks boiling in the distillate plus range, which feedstocks, when cracked, result in unexpected high yields of olefins. The feedstock is hydroprocessed in at least one reaction zone countercurrent to the flow of a hydrogen-containing treat gas. The hydroprocessed feedstock is then subjected to thermal cracking in a steam cracker or to catalytic cracking in a fluid catalytic cracking process. The resulting product slate will contain an increase in olefins compared with the same feedstock, but processed in by a conventional co-current hydroprocessing process.