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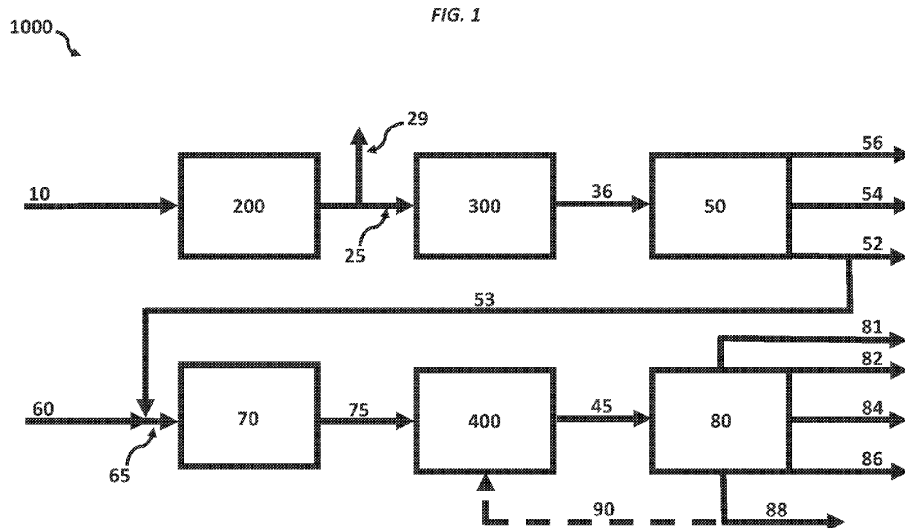
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(54) Title: FLEXIBLE BENZENE PRODUCTION VIA SELECTIVE-HIGHER-OLEFIN OLIGOMERIZATION OF ETHYLENE



(57) Abstract: The present disclosure relates to the integration of systems and methods associated with steam cracking, oligomerization reactions, hydrogenation reactions, and aromatization reactions for the production of benzene via the hydrogenation of oligomers produced from ethylene. In some aspects, the disclosed systems and methods utilize one or more of an oligomerization process, a hydrotreating process, and an aromatization process for producing a benzene comprising effluent. In further aspects, the systems and methods disclosed herein utilize one or more selective oligomerization catalyst systems.

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