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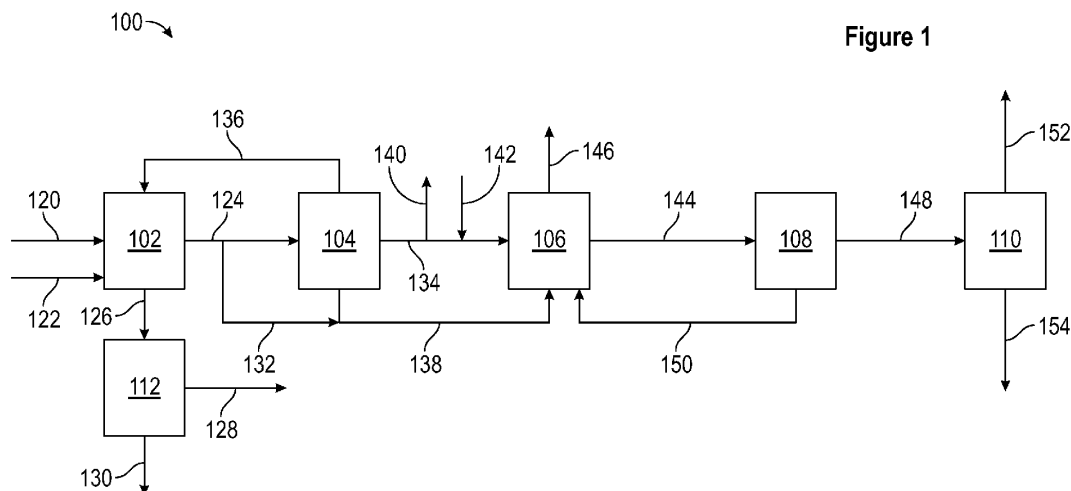
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(54) Title: CO-PRODUCTION OF HIGH PURITY ISOBUTYLENE AND HIGH PURITY ISOOCETENE



(57) Abstract: Systems and processes for the production of a high purity isobutylene stream, a high purity isoocetene stream or for the co-production of a high purity isobutylene and a high purity isoocetene. The systems and processes advantageously process mixed C4 hydrocarbon streams via etherification, back cracking, isomerization, and/or dimerization, along with various separation systems, to produce the desired high purity streams.