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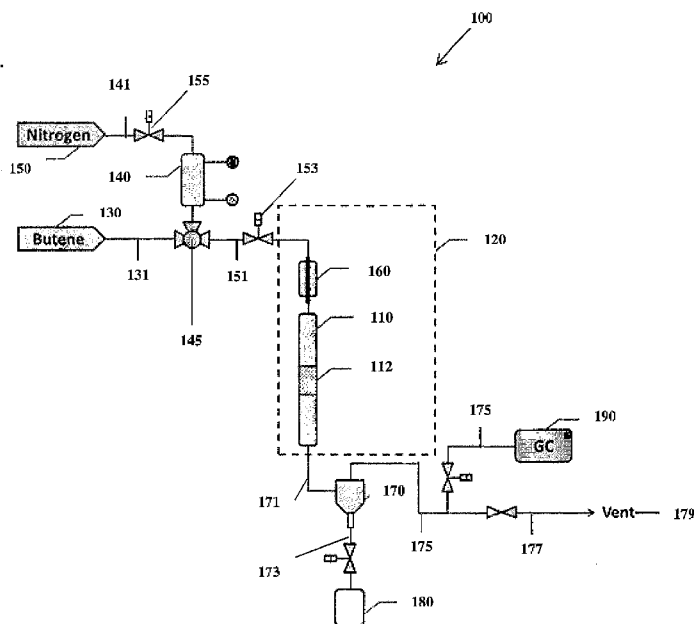
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(54) Title: PROCESS FOR THE DIMERIZATION/OLIGOMERIZATION OF MIXED BUTENES OVER AN ION-EXCHANGE RESIN CATALYST

Fig. 1.



(57) Abstract: Processes for the effective dimerization and oligomerization of a mixed butenes feed using an ion exchange resin based catalyst are provided. The dimerization and oligomerization processes produce highly branched C8 and C8+ olefins (e.g., C12, C16 and C20 olefins) which could be used as superior fuel blending component for higher energy contents, higher octane value, higher octane sensitivity and lower RVP.