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- (71) Applicant: CATALYTIC DISTILLATION TECHNOLOGIES [US/US]; 10100 Bay Area Boulevard, Pasadena, TX 77507 (US).
- (72) Inventors: STANLEY, Stephen, J.; 1515 Broad Street, Bloomfield, NJ 07003 (US). GILDERT, Gary, R.; 10100 Bay Area Boulevard, Pasadena, TX 77507 (US).
- (74) Agent: JOHNSON, Kenneth, H.; P.O. Box 630708, Houston, TX 77263 (US).
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(54) Title: PROCESS FOR THE REMOVAL OF MAPD FROM HYDROCARBON STREAMS

(57) Abstract: A process for the selective hydrogenation of the methyl acetylene and propadiene (MAPD) in a propylene rich stream (101) is disclosed wherein the selective hydrogenation is carried out stepwise (a) first in a single pass fixed bed reactor (20 or 30) and then (b) in a distillation column reactor (40) containing a supported PdO hydrogenation catalyst (41) which serves as a component of a distillation structure. Conversion and selectivity to propylene are improved over the use of the single pass fixed bed reactor alone.

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