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(71) Applicant *(for all designated States except US)*: **UOP LLC** [US/US], 25 East Algonquin Road, Des Plaines, IL 60017-5017 (US)

(71) Applicants and
(72) Inventors: **FOLEY, Timothy, D.** [US/US], UOP LLC, 25 East Algonquin Road, Des Plaines, IL 60017-5017 (US). **SOHN, Stephen, W.** [US/US], UOP LLC, 25 East Algonquin Road, Des Plaines, IL 60017-5017 (US)

(74) Common Representative: **UOP LLC**, c/o TOLOMEI, John, G , 25 East Algonquin Road, Des Plaines, IL 60017-5017 (US)

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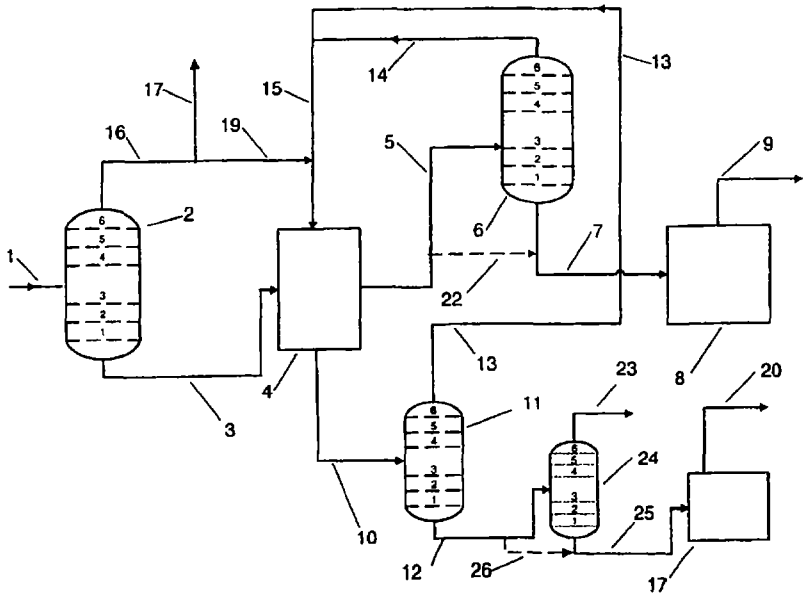
(54) **Title:** ETHYLENE PRODUCTION BY STEAM CRACKING OF NORMAL PARAFFINS



(57) **Abstract:** An adsorptive separation process for preparing the separate feed streams charged to naphtha reforming unit and a steam cracking unit is presented. The feed stream to the overall unit is fractionated to yield a C5 stream and a second stream containing the rest of the feed, which is passed into the adsorptive separation unit The C5 stream is utilized as the desorbent in the adsorptive separation The adsorptive separation separates the C6-plus components of the feed stream into a normal paraffin stream, which is charged to the steam cracking process, and non-normal hydrocarbons which are passed into a reforming zone. The invention improves the yields from both downstream units

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