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(71) Applicant (for SM only): **SHELL OIL COMPANY**
[US/US]; One Shell Plaza, P.O. Box 2463, Houston,
Texas 77252-2463 (US).

(71) Applicant (for all designated States except US): **SHELL
INTERNATIONALE RESEARCH MAATSCHAPPIJ**

B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 The
Hague (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MILAM, Stanley
Nemec** [US/US]; 1622 Longacre Drive, Houston, Texas
77055 (US). **REYNOLDS, Michael Anthony** [US/US];
20410 Ivory Creek Lane, Katy, Texas 77450 (US).
WELLINGTON, Scott Lee [US/US]; 5109 Aspen
Street, Bellaire, Texas 77401 (US). **ENGWALL, Erik
Edwin** [US/US]; 14211 Ella Lee Lane, Houston, Texas
77077 (US).

(74) Agent: **TAYLOR, Richard B.**; Shell Oil Company, One
Shell Plaza, P.O. Box 2463, Houston, Texas 77252-2463
(US).

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(54) Title: PROCESS FOR TREATING A HYDROCARBON-CONTAINING FEED

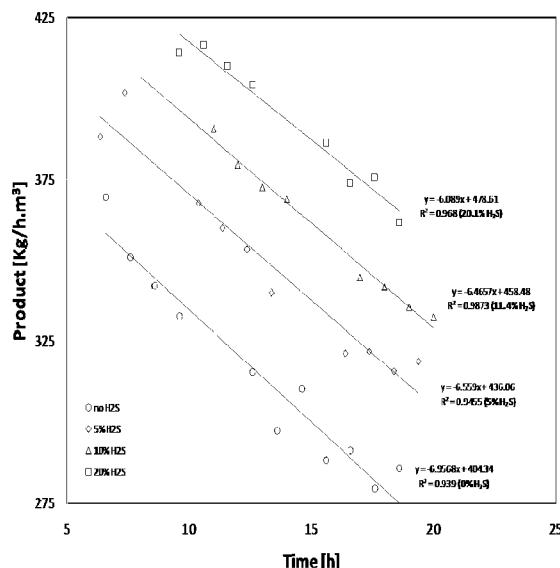


FIG. 3

(57) Abstract: A process for treating a hydrocarbon-containing feedstock is provided in which a hydrocarbon-containing feed comprising at least 20 wt.% of heavy hydrocarbons is mixed with hydrogen and at least one catalyst to produce a hydrocarbon-containing product. The hydrocarbon-containing feedstock, the catalyst(s), and the hydrogen are provided to a mixing zone and blended in the mixing zone at a temperature of from 375°C to 500°C. A vapor comprised of hydrocarbons that are vaporizable at the temperature and pressure within the mixing zone is separated from the mixing zone, and, apart from the mixing zone, the vapor is condensed to produce a liquid hydrocarbon-containing product. The hydrocarbon-containing feedstock is continuously or intermittently provided to the mixing zone at a rate of at least 350 kg/hr per m³ of the mixture volume in the mixing zone.



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