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

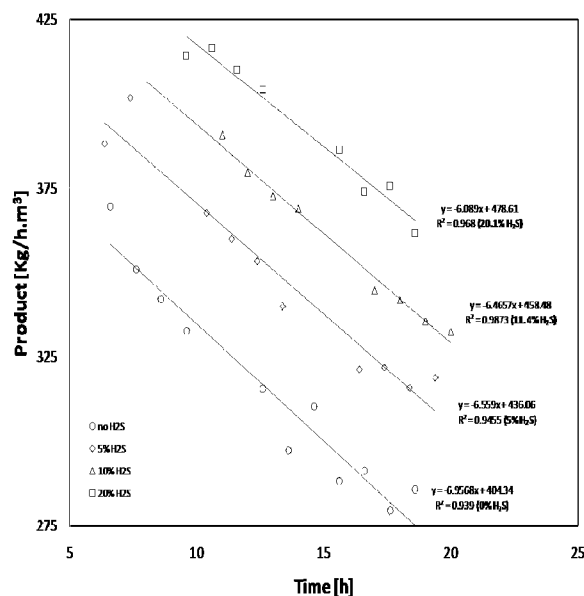


FIG. 3

(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 metal-containing 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 and a total pressure of from 6.9 MPa to 27.5 MPa. A vapor comprised of hydrocarbons that are vaporizable at the temperature and pressure within the mixing zone is separated from the mixing zone. Any metal-containing catalyst provided to the mixing zone has an acidity as measured by ammonia chemisorption of at most 200 μmol ammonia per gram of catalyst.



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