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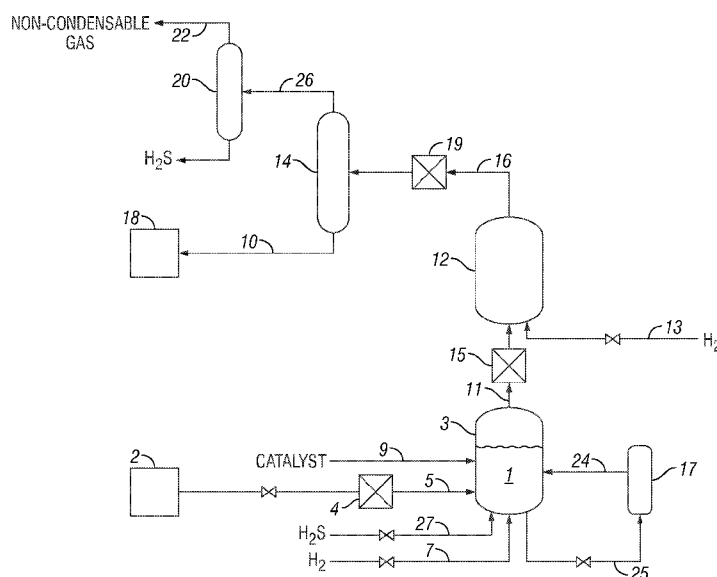
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[Continued on next page]

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



(57) Abstract: A process for treating a hydrocarbon-containing feedstock is provided in which a hydrocarbon-containing feedstock comprising at least 20 wt.% of heavy hydrocarbons is mixed with hydrogen, hydrogen sulfide and a metal-containing catalyst at a temperature of 375°C to 500°C and a pressure of from 6.9 MPa to 27.5 MPa to produce a vapor comprising a first hydrocarbon-containing product, where the hydrogen sulfide is mixed with the feedstock, metal-containing catalyst, and hydrogen at a mole ratio of hydrogen sulfide to hydrogen of at least 1:10. The vapor comprising the first hydrocarbon-containing product is separated from the mixture, and, apart from the mixture, the first hydrocarbon-containing product is contacted with hydrogen and a catalyst containing a Column 6 metal at a temperature of 260°C-425°C and a pressure of from 3.4 MPa to 27.5 MPa to produce a second hydrocarbon-containing product.



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