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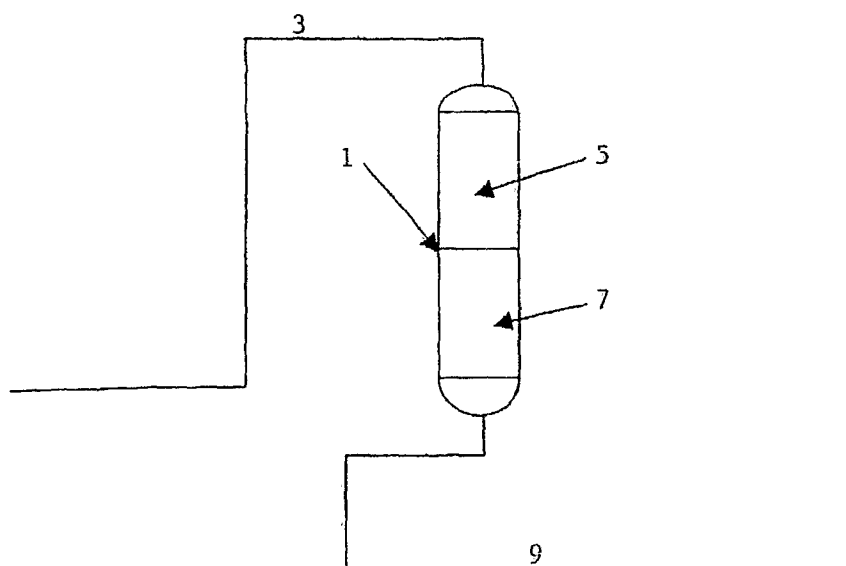
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(54) Title: SYSTEMS AND PROCESSES FOR REDUCING THE SULFUR CONTENT OF HYDROCARBON STREAMS

(57) Abstract: Systems and
processes for removing a
first sulfur compound from a
hydrocarbon stream. The systems
and process utilize at least one
reaction vessel incorporating
a hydrolysis catalyst suitable
for hydrolyzing the first sulfur
compound to a second sulfur
compound. The reaction vessel
also incorporates a sorbent
material suitable for absorbing
the second sulfur compound.
Following hydrolysis of the first
sulfur compound to the second
sulfur compound and absorption
of the second sulfur compound,
a hydrocarbon-containing stream
having a reduced sulfur content
is produced. The hydrolysis catalyst
and sorbent material may be
provided in separate zones withinthe reaction vessel or provided as a mixture in a single zone. The hydrocarbon-containing stream having a reduced sulfur content
is suitable for a variety of uses, including as a feedstreams for hydrogen plants, process gas streams for power generation plants,
or for other uses for hydrocarbon-containing stream having reduced sulfur content.

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