

ABSTRACT

FUEL COMPOSITIONS FROM LIGHT TIGHT OILS AND HIGH SULFUR FUEL OILS

5 Methods are provided to prepare a low sulfur fuel from hydrocarbon sources, such as
light tight oil and high sulfur fuel oil, often less desired by conventional refiners, who
split crude into a wide range of differing products and may prefer presence of wide
ranges (C3 or C5 to C20 or higher) of hydrocarbons. These fuels can be produced by
separating feeds into untreated and treated streams, and then recombining them. Such
10 fuels can also be formulated by combinations of light, middle and heavy range
constituents in a selected manner as claimed. Not only low in sulfur, the fuels of this
invention are also low in nitrogen and essentially metals free. Fuel use applications
include on-board large marine transport vessels but also on-shore for large land based
combustion gas turbines, boilers, fired heaters and transport vehicles and trains.

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FIG. 5