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(54) Title: HIGH-OCTANE, UNLEADED AVIATION FUEL COMPOSITIONS

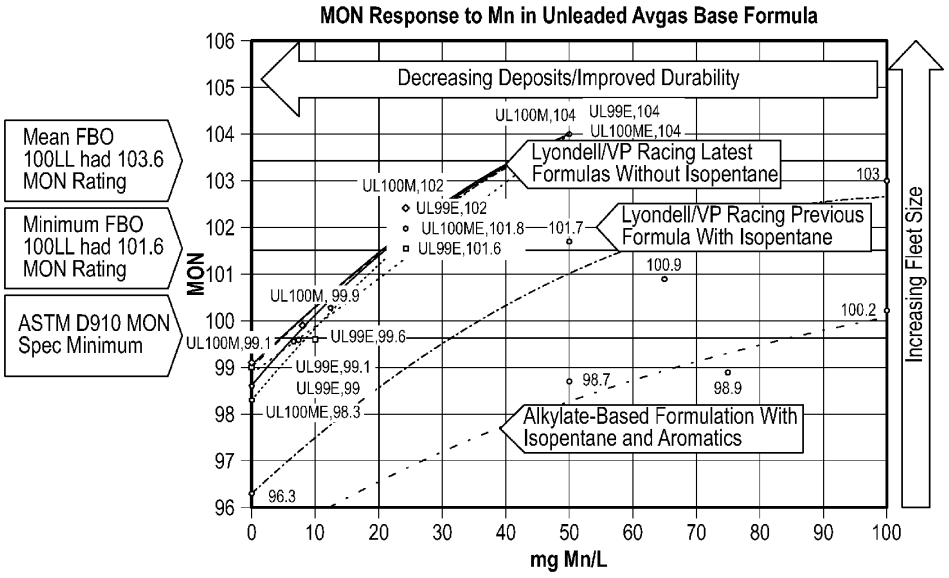


FIG. 1

(57) Abstract: In some embodiments, a composition includes isooctane in an amount of about 81 vol% to about 87 vol%. The composition further includes a dialky 1 ether compound in an amount of about 10 vol% to about 18 vol%, wherein the dialkyl ether compound is selected from the group consisting of ethyl-tert-butyl-ether. methyl-tert-butyl-ether. and combinations thereof. The composition further includes methanol in an amount of about 1.5 vol% or less. The total oxygen content present in the composition comprises about 3.2 wt % or less of the composition. The figures illustrate comparative testing including compositions of the disclosure.

[Continued on next page]

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