



PCT

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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: FUEL AND BASE OIL BLENDSTOCKS FROM A SINGLE FEEDSTOCK

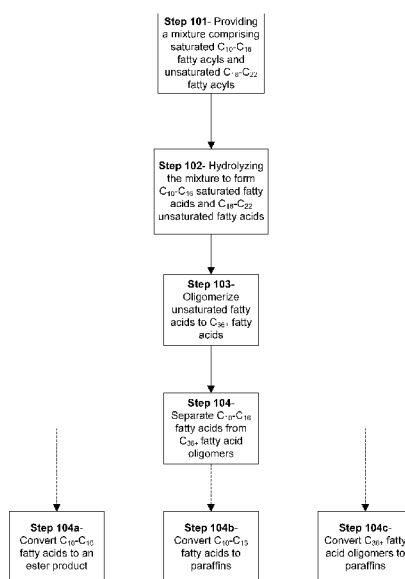


FIG. 1

(57) **Abstract:** A method comprising the steps of providing a fatty acyl mixture comprising: (i) a C₁₀-C₁₆ acyl carbon atom chain content of at least 30 wt. % wherein at least 80% of the C₁₀-C₁₆ acyl carbon atom chains are saturated; and (ii) a C₁₈-C₂₂ acyl carbon atom chain content of at least 20 wt. % wherein at least 50% of the acyl C₁₆-C₂₂ carbon atom chains contain at least one double bond; hydrolyzing at least some of the mixture to yield a quantity of C₁₀-C₁₆ saturated fatty acids and C₁₈-C₂₂ unsaturated fatty acids; oligomerizing at least some of the C₁₈-C₂₂ unsaturated fatty acids to yield a quantity of C₃₆+ fatty acid oligomers; separating at least some of the C₁₀-C₁₆ saturated fatty acids from the C₃₆+ fatty acid oligomers.



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