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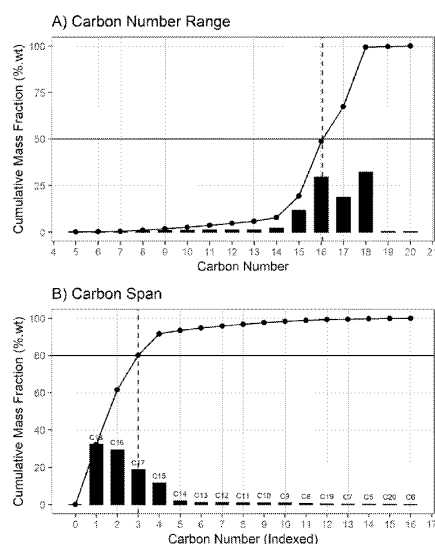
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(54) Title: SUSTAINABLE THERMAL CRACKING METHOD AND PRODUCTS THEREOF

FIG. 1



(57) Abstract: The present invention relates to a method comprising a step (a) of providing a renewable cracker feed obtainable by fractionating an isomeric hydrocarbon composition having an i-paraffins content of 85.0 wt.-% or more and a carbon range in the range of from 20 to 32 into at least a lower-boiling fraction and a higher-boiling fraction, and providing at least part of the lower-boiling fraction or at least part of the higher-boiling fraction as the renewable cracker feed, a step (b) of thermally cracking the renewable cracker feed in a thermal cracking furnace, optionally together with co-feed(s) and/or additive(s), and a step (c) of subjecting the effluent of the thermal cracking furnace of step (b) to a separation treatment to provide at least a light olefin(s) fraction. The present invention furthermore relates to a polymer composition obtainable by use of olefin(s) in the light olefin(s) fraction.