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(54) Title: USE OF A METAL-FREE CARBON MATERIAL FOR CONVERTING PLASTIC INTO C₂-C₄ OLEFINS AND/OR HYDROCARBONS, UNDER DIRECT INDUCTION HEATING, AND METHOD THEREOF

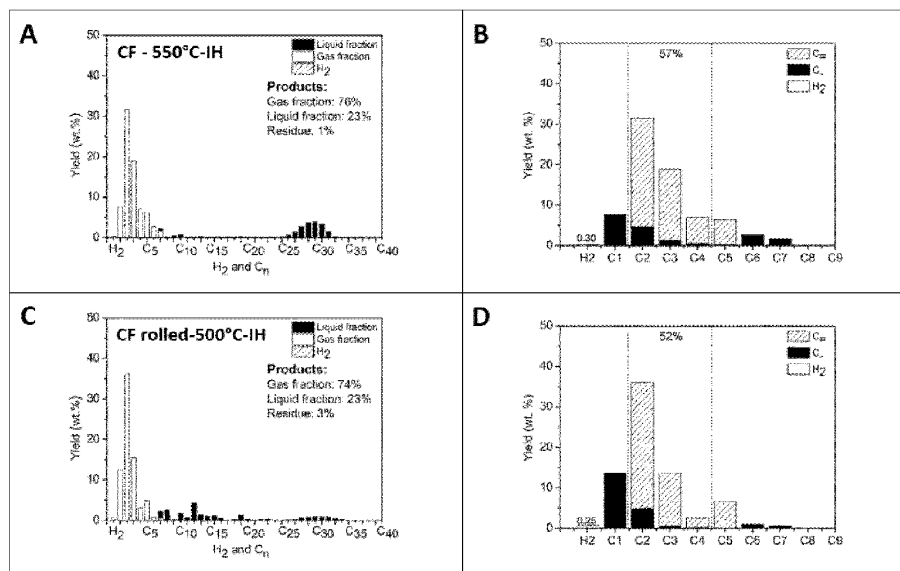


Figure 4

(57) Abstract: The present invention refers to the use of a metal-free carbon material for converting plastic into C₂-C₄ olefins and/or other hydrocarbons, under direct induction heating at temperature less than or equal to 800 °C. The present invention also relates to a process for converting plastic into C₂-C₄ olefin and/or other hydrocarbons, comprising a step of reaction under direct induction heating, with a metal-free carbon material as defined in any one of the claims, at temperature less than or equal to 800 °C.

[Continued on next page]

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