

## Title (en)

USE OF A METAL-FREE CARBON MATERIAL FOR CONVERTING PLASTIC INTO C<sub>2</sub>-C<sub>4</sub> OLEFINS AND/OR HYDROCARBONS, UNDER DIRECT INDUCTION HEATING, AND METHOD THEREOF

## Title (de)

VERWENDUNG EINES METALLFREIEN KOHLENSTOFFMATERIALS ZUR UMWANDLUNG VON KUNSTSTOFF IN C<sub>2</sub>-C<sub>4</sub>-OLEFINE UND/ ODER KOHLENWASSERSTOFFE UNTER DIREKTER INDUKTIONSERWÄRMUNG UND VERFAHREN DAFÜR

## Title (fr)

UTILISATION D'UN MATÉRIAU CARBONÉ SANS MÉTAL POUR CONVERTIR DU PLASTIQUE EN OLÉFINES ET/OU HYDROCARBURES EN C<sub>2</sub>-C<sub>4</sub>, SOUS CHAUFFAGE PAR INDUCTION DIRECTE, ET PROCÉDÉ ASSOCIÉ

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## Application

**EP 22306835 A 20221209**

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## Abstract (en)

The present invention refers to the use of a metal-free carbon material for converting plastic into C<sub>2</sub>-C<sub>4</sub> 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 C<sub>2</sub>-C<sub>4</sub> olefin and/or other hydrocarbons, comprising a step of reaction under direct induction heating, with a metal-free carbon material as defined in anyone of the claims, at temperature less than or equal to 800 °C.

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## Citation (applicant)

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- [A] JP H11302663 A 19991102 - JAPAN STEEL WORKS LTD

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