

Title (en)

THERMAL DE-POLYMERIZATION PROCESS OF PLASTIC WASTE MATERIALS

Title (de)

THERMISCHES DEPOLYMERISIERUNGSVERFAHREN FÜR KUNSTSTOFFABFÄLLE

Title (fr)

PROCÉDÉ DE DÉPOLYMÉRISATION THERMIQUE DE MATÉRIAUX DE DÉCHETS PLASTIQUES

Publication

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Application

**EP 12817287 A 20120723**

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Abstract (en)

[origin: WO2013015676A2] The present invention relates to a process for producing liquid transportation fuel (15) based on plastic waste materials (10), comprising the step of: providing (S101) plastic waste materials (10) in molten form; de-polymerizing (S103) molten plastic waste materials (10) into a reaction chamber using a limestone catalyst (20) at a temperature ranging 420 °C to 450 °C under normal atmospheric pressure condition of 1 Bar; and introducing (S106) gaseous de- polymerized products (25) to a distillation unit thereby allows the gaseous de-polymerized products (25) to be fractionally distilled and condensed into liquid transportation fuels (15).

IPC 8 full level

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