

Title (en)

OLD OR WASTE PLASTICS TREATMENT PROCESS

Title (de)

VERFAHREN ZUR VERARBEITUNG VON ALT- ODER ABFALLKUNSTSTOFFEN

Title (fr)

PROCEDE DE TRAITEMENT DE MATIERES PLASTIQUES USAGEES EES OU DE DECHETS DE MATIERES PLASTIQUES

Publication

EP 0823935 A1 19980218 (DE)

Application

EP 96914161 A 19960502

Priority

- DE 19516379 A 19950504
- EP 9601812 W 19960502

Abstract (en)

[origin: DE19516379A1] According to the process described, old or waste plastics are depolymerized into a pumpable phase and a volatile phase to allow recovery of chemical raw materials and liquid fuel components. The volatile phase is separated into a gaseous phase and a condensate. In order to simplify the process in comparison with the state of the art, the depolymerised product remaining after the volatile phase is separated is also heated together with the condensate or condensate fractions in the presence of hydrogen under pressure and is subjected to hydrotreating, after non-boiling components are removed, to produce syncrude.

IPC 1-7

C10G 1/10

IPC 8 full level

B09B 3/00 (2006.01); **C10G 1/00** (2006.01); **C10G 1/10** (2006.01)

CPC (source: EP US)

C10G 1/002 (2013.01 - EP US); **C10G 1/10** (2013.01 - EP US)

Citation (search report)

See references of WO 9634929A1

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DE 19516379 A1 19961107; CA 2219974 A1 19961107; EP 0823935 A1 19980218; JP 3334883 B2 20021015; JP H11504955 A 19990511; NO 974802 D0 19971017; NO 974802 L 19971017; US 5973217 A 19991026; WO 9634929 A1 19961107

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