

Title (en)

BATCH DEPOLYMERISATION OF HYDROCARBON MATERIAL

Title (de)

MENGENWEISE DEPOLYMERISATION VON KOHLENWASSERSTOFFMATERIAL

Title (fr)

DEPOLYMERISATION DISCONTINUE DE MATERIAUX A BASE D'HYDROCARBURES

Publication

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Application

**EP 06812968 A 20061102**

Priority

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- SE 0502436 A 20051102

Abstract (en)

[origin: WO2007053088A1] The invention relates to a method and an apparatus/system for batch depolymerisation of hydrocarbon material. Hydrocarbon material (18) is loaded into a support means (17) which is placed into an outer container (10), the opening of which is sealed by a outer container lid (12). The support means (17) is designed so as to retain waste material. The hydrocarbon material (18) is heated with microwave or high-frequency radiation, to cause depolymerisation of the hydrocarbon material, while exhaust gases are allowed to escape from the outer container (10) via a gas outlet (13). After depolymerisation, the radiation is turned off, the support means (17) containing waste material is removed from the outer container (10) and the process may be repeated. Two or more outer containers (10) may be connected in parallel to a gas purification device (26) and be started up non-simultaneously, so as to produce a substantially continuous flow of gas through the gas purification device.

IPC 8 full level

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CPC (source: EP SE)

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[A] WO 0103473 A1 20010111 - AMAT LTD [GB], et al

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