

Title (en)

OIL EXTRACTION DEVICE FOR PYROLYSIS OF PLASTICS WASTE MATERIAL AND EXTRACTION METHOD THEREOF

Title (de)

ÖLEXTRAKTIONSVORRICHTUNG ZUR PYROLYSE VON KUNSTSTOFFABFALLMATERIAL UND EXTRAKTIONSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF D'EXTRACTION D'HYDROCARBURES CONÇU POUR LA PYROLYSE DE DÉCHETS DE MATIÈRES PLASTIQUES ET PROCÉDÉ D'EXTRACTION ASSOCIÉ

Publication

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Application

EP 06812559 A 20061113

Priority

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Abstract (en)

[origin: WO2008038854A1] An oil extraction system and method for pyrolyzing waste plastic materials are disclosed. The oil extraction system includes: a waste feeding device for supplying waste plastic materials contained in a hopper to a primary pyrolysis chamber through a feed inlet, wherein the primary pyrolysis chamber pyrolyzes the supplied waste plastic materials; a double jacket furnace having a burner and for heating the primary pyrolysis chamber loaded into a burning room of the furnace; a rotation device for rotating the primary pyrolysis chamber loaded into the burning room of the furnace; a secondary pyrolysis chamber for re-pyrolyzing gas produced in the primary pyrolysis chamber, and for separating carbides and residue; a condenser for liquefying the gas separated from the secondary pyrolysis chamber by compression and forming oil; and an oil-water separator for separating oil and water condensed in the condenser.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2008038854A1

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