

Title (en)

A METHOD AND A DEVICE FOR CONTINUOUS CONVERSION OF POLYOLEFINIC PLASTICS WASTES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTINUIERLICHEN UMWANDLUNG VON POLYOLEFINISCHEN KUNSTSTOFFABFÄLLEN

Title (fr)

PROCEDE ET DISPOSITIF DESTINES A LA CONVERSION EN CONTINU DE DECHETS EN PLASTIQUE POLYOLEFINIQUE

Publication

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Application

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Abstract (en)

[origin: WO2004072163A1] The present invention concerns a method for continuous conversion of plastics wastes, comprising continuous loading the charge, plastifying it, bringing it to the liquid state and converting it catalytically, characterized in that the whole process, from charge loading to collecting of the gaseous product and removing impurities, is conducted in a single stage and in a single internal vessel (1a), of an integrated, melting - heat exchanging - reactor device with a vertical arrangement, wherein plastified and liquefied charge forms a uniform block of the charge mass moving downwards gravitationally. The present invention concerns also a device for continuous conversion of plastics wastes, characterized in that it constitutes a modular, integrated, melting box - heat exchanger - reactor device with a vertical arrangement, for a single stage conducting of the whole process of thermo-catalytic conversion of plastic wastes, from the charge loading to collecting of gaseous product and removing impurities, in a single internal vessel (1a).

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