Title (en)

METHOD AND INSTALLATION FOR LOW-TEMPERATURE PYROLYSIS OF RUBBER PRODUCTS, STEEL/RUBBER COMPOSITES, AND USE OF THE PYROLYSIS PRODUCTS

Title (de)

VERFAHREN UND ANLAGE ZUR NIEDRIGTEMPERATUR-PYROLYSE VON GUMMI-ERZEUGNISSEN, STAHL-GUMMI-VERBUNDEN UND VERWENDUNG DER PYROLYSEPRODUKTE

Title (fr)

PROCEDE ET INSTALLATION POUR LA PYROLYSE BASSE TEMPERATURE DE PRODUITS A BASE DE CAOUTCHOUC ET DE COMPOSITES ACIER-CAOUTCHOUC ET UTILISATION DES PRODUITS DE PYROLYSE

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Application

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Abstract (en)

[origin: WO03091359A1] The invention relates to an industrial low-temperature pyrolysis method for separating steel/rubber composites or similar composite products in order to obtain a carbon granulate, pyrolysis oil, residual gas, and metallic components. The invention is characterized by the fact that the process is performed without the use of pressure and inert media and that the charging operation can be done in a discontinuous manner. The pyrolysis products are usable in a particularly advantageous manner for energy-related utilization and as initial materials for synthesis processes. The inventive carbon granulate can be processed into an insulating construction material and can be used as an adsorbing agent in order to control oil spills. Said granulate can also be used for land improvement projects as a storage means for water and nutrients and as an extinguishing material.

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IPC 8 full level

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CPC (source: EP US)

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