

Title (en)

CARBON TREATMENT SYSTEM FOR SUPPLYING DECOMPOSITION HEAT TO WASTE TIRES

Title (de)

KOHLENSTOFFBEHANDLUNGSSYSTEM ZUR ZUFÜHRUNG VON ZERSETZUNGSWÄRME ZU ALTREIFEN

Title (fr)

SYSTÈME DE TRAITEMENT DE CARBONE PERMETTANT DE FOURNIR UNE CHALEUR DE DÉCOMPOSITION À DES PNEUMATIQUES USÉS

Publication

**EP 2381173 A2 20111026 (EN)**

Application

**EP 09838925 A 20091123**

Priority

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Abstract (en)

The present invention relates to a carbon treatment system for supplying decomposition heat to waste tires. The carbon treatment system of the present invention comprises: a carbon storage tank which receives carbon separated from a thermal decomposition furnace for thermally decomposing waste tires and which stores the received carbon; a burner which receives oil or gas contained in the steam generated during a process of thermally decomposing waste tires, and burns the received oil or gas; and a combustion furnace arranged at one side of the burner to burn the carbon supplied by the carbon storage tank using the burner as an ignition source and to supply heat generated during the combustion to the thermal decomposition furnace.; The thus-configured system of the present invention completely burns the carbon separated from waste tires to prevent contamination and reutilizes the heat generated during combustion to maximize the economical operation thereof, and therefore is of great industrial usefulness.

IPC 8 full level

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CPC (source: EP KR US)

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