

Title (en)

METHOD OF SELECTIVE RECOVERING COMPONENTS FROM MULTI-COMPONENT ELASTIC WASTE MATERIAL AND APPARATUS FOR PRODUCING FINE-GRAINED RUBBER POWDER

Title (de)

VERFAHREN ZUR WIEDERVERWENDUNG DER BESTANDTEILE EINES ELASTISCHEN ABFALLVERBUNDWERKSTOFFS UND VORRICHTUNG ZUR HERSTELLUNG VON KLEINKÖRNIEM GUMMIPULVER

Title (fr)

PROCEDE DE RECUPERATION SELECTIVE DE COMPOSANTS A PARTIR D'UNE MATIERE-DECHET ELASTIQUE MULTICOMPOSEE, ET APPAREIL DE PRODUCTION D'UNE POUDRE DE CAOUTCHOUC A GRAINS FINS

Publication

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Application

**EP 01900562 A 20010112**

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Abstract (en)

[origin: WO0153053A1] The invention relates to a method of selectively recovering components from multi-component elastic waste material, in particular from used vehicle tires, for the purpose of recycling, wherein after cleaning and cutting the multi-component elastic waste material to be processed, elastic portions are removed from the components of greater strength in the form of elastic material powder, in particular rubber powder, by applying high pressure water jet cutting, said elastic material powder being separately fed to the location of further processing, where the elastic material powder, in particular rubber powder collected in wet state at cutting is subjected to dehydration and drying before packaging. The elastic material powder is removed from a workpiece by cutting, using high pressure water jets moving along a positive spatial path. Cutting is effected, in the form of simultaneous cutting and tearing procedure in subsequent steps, at the free end of the workpiece, while said free end is not supported; and during said cutting said elastic portions are selectively removed from said workpiece with respect to their quality and, finally, sorted and collected separately.

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