

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

EP 1255631 A1 20021113 (EN)

Application

EP 01900562 A 20010112

Priority

- HU 0100002 W 20010112
- HU P0000131 A 20000114

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.

IPC 1-7

B29B 17/02; **B26F 3/00**; **B26D 1/00**

CPC (source: EP)

B26D 3/005 (2013.01); **B29B 17/02** (2013.01); **B29B 2017/0428** (2013.01); **B29K 2021/00** (2013.01); **B29L 2030/00** (2013.01); **Y02W 30/62** (2015.05)

Citation (search report)

See references of WO 0153053A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0153053 A1 20010726; AU 2538401 A 20010731; EP 1255631 A1 20021113; HU 0000131 D0 20000328; HU P0000131 A2 20030228

DOCDB simple family (application)

HU 0100002 W 20010112; AU 2538401 A 20010112; EP 01900562 A 20010112; HU P0000131 A 20000114