

METHOD FOR SHREDDING WORNOUT TYRES, DEVICE AND COMPACT
PACKAGE FOR CARRYING SAME INTO EFFECT

ABSTRACT

The invention relates to recycling wornout tyres and other industrial and domestic wastes. According to a method for shredding wornout tyres a package of wornout tyres is formed as a number of closely compacted layers. The package is subjected to primary destruction in an armored chamber under conditions of free extension until the package outside layers are destroyed. The overall dimensions of the armored chamber in any cross-section thereof square with the chamber axis and passing through the package of the compacted tyres varies within the range of from 2 to 7 package diameters in such section. The compact package of tyres is formed from a few coaxial helical twists having an axial hole. According to the invention, a stress-strain state is established upon free extension of a rubber layer without its contacting with the walls of the armored chamber, whereby efficient destruction and disintegration of the rubber, metallic and textile cord of a tyre is attained.



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ACTION