

Title (en)

METHOD OF AND APPARATUS FOR REDUCING A VEHICLE TRACK INTO COMPONENTS FOR RE-USE AND RECYCLING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ZERLEGUNG EINER FAHRZEUGKETTE IN BESTANDTEILE FÜR WIEDERVERWENDUNG UND RECYCLING

Title (fr)

PROCÉDÉ ET APPAREIL POUR RÉDUIRE UNE CHENILLE DE VÉHICULE EN ÉLÉMENTS DESTINÉS À ÊTRE RÉUTILISÉS ET RECYCLÉS

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Application

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Abstract (en)

[origin: GB2481257A] The method of the invention involves the stepwise reduction of a rubberised crawler vehicle track (T), of the type having metal track elements (E) within a rubberised or elastomeric material matrix, into useable constituent parts. The reduction of the track is achieved by feeding a track section towards a material removal station 30 where a series of ultra high-pressure water jets are used to remove substantially all of the matrix material and to clean the remaining metal track elements and any supporting or reinforcing material. The track elements are recycled directly into new crawler tracks or collected as high-grade scrap. The matrix material is collected and graded. Disintegration of the matrix material creates a slurry. Apparatus 10 typically comprises a support base 15 over which parallel rails 21, 22 support a section of the track (T) as it is fed towards the station 30. Drive sprockets 25 engage the track (T). A rotary dryer (65 see fig 4) dries the rubber crumbs.

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