

Title (en)

METHOD AND DEVICE FOR IDENTIFYING AND EXPELLING FOREIGN MATERIAL PRESENT IN A STREAM OF FIBRES CONSISTING OF COMPRESSED TEXTILE FIBRES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERKENNEN UND AUSSCHLEUSEN VON FREMDMATERIAL IN EINEM FASERSTROM AUS VERDICHETETEN TEXTILEN FASERN

Title (fr)

PROCEDE ET DISPOSITIF POUR RECONNAITRE ET EVACUER UNE MATIERE ETRANGERE PRESENTE DANS UN FLUX DE FIBRES CONSTITUE DE FIBRES TEXTILES COMPRIMEES

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Abstract (en)

[origin: WO0144545A1] The invention relates to a method and a device for identifying and expelling foreign material present in a stream of fibres consisting of compressed textile fibres. The aim of the invention is to create a method and a device for continuously inspecting the stream of fibres, even at high speeds, on an industrial scale under inspection conditions which remain constant over a long period of time. To this end, the stream of fibres is compressed in sections (62), driven by positive-fit, optically captured and inspected for the presence of foreign material. The device has at least one roller-shaped element (14, 15), provided with teeth (21, 22) which engage the stream of fibres. Light-conductive elements (23, 24) are arranged between said teeth.

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