

Method and device for electrolytic treatment of electrically mutually insulated, electrically conductive structures on surfaces of electrically insulating foil material and applications of the method

Abstract:

For electrolytic treatment of electrically mutually insulated, electrically conductive structures 4 on surfaces of electrically insulating foil material (Fo), a method is used in which the material is unloaded from a store 15', 15'', then transported on a conveying line through a treatment unit 1 and brought thereby in contact with treatment fluid F1. During transportation, the material Fo is guided past at least one electrode arrangement, which comprises respectively at least one cathodically polarised electrode 6 and at least one anodically polarised electrode 7, at least the one cathodically polarised electrode 6 and at least the one anodically polarised electrode 7 being brought in contact with the treatment fluid F1 and being connected to a current/voltage source 8. As a result, a current flows through the electrodes 6, 7 and the electrically conductive structures 4. The electrodes 6, 7 are screened from each other in such a manner that substantially no electric current is able to flow directly between oppositely polarised electrodes 6, 7. The material Fo is finally loaded back onto a store 15', 15''.

(Fig. 12)



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