

Abstract of the Disclosure

Process for the Application of a Metal Layer on a Polymer Surface of a Subject

The description relates to a process for the application of a metal film on a polymer surface of a subject, to which, after nucleation with a catalytically active platinum metal and/or a platinum metal compound, a coating metal is precipitated autocatalytically from an aqueous solution without any external current supply, before at least another layer is applied, preferably electrolytically under external current supply, to this preliminary coating. To achieve favorable construction features, it is suggested that centers of a Lewis acid or Lewis base are enriched first on the polymer surface to be coated by means of a vacuum plasma treatment via a plasma gas adapted to the polymer used, before the polymer surface is nucleated under vacuum with the platinum metal and/or the platinum metal compound by means of another plasma gas containing an evaporated platinum metal and/or a platinum metal compound for nucleophilic and/or electrophilic reaction on the Lewis acids and/or Lewis bases.

p.t.o.