

The invention relates to the field of information technology and can be used for the formation of identification tags by means of electrochemical metal working and creation of databases of solid material resources, in particular of current-conducting material.

The installation for application of the individual image on the current-conducting object (3) comprises an electrode (2), formed of sections (7), and a low-voltage source (6), to which are connected the electrode (2) and the object (3). The installation further comprises a dielectric limiter (13), installed with the possibility of forming with the object (3) an electrolyte flowing channel (4). The sections (7) are made mobile, with the possibility of changing their position in space under the action of the electrolyte flux (4), being fixed to conductors (5), made flexible, of different lengths. Each section (7) is made in the form of a ball, on the outer surface of which is applied a dielectric coating with bared portions and dielectric protrusions.

The method for identification of the current-conducting object comprises the application on the object of an identification tag, consisting of an identification number, a coordinate-information grid and an individual image, obtained by passing the electric current through an electrolyte, flowing between the object and an electrode, consisting of mobile sections, and registration of the obtained tag in the memory of a computer, and identification of the object is carried out by comparing the tag on the identified object with the previously registered one.

Claims: 2

Fig.: 2

