

The invention relates to information technologies, namely to a method for identification of electrically conducting object, as well as to a device for realization thereof.

The method, according to the invention, includes application on the object of a tag, consisting of an individual image, a coordinate grid and an identification number, scanning and recording in the computer memory of the obtained tag, comparison of the tag on the identifiable object with the registered one. The individual image is produced by anodic dissolution of the object when supplying the electric current to the object and to a transparent electrode for a laser, mounted above the object with a gap, in which the electrolyte is incorporated, with the simultaneous and random laser irradiation of the object's surface and/or space between the object and the electrode. At the same time, the coordinate grid and the identification number is applied after the obtaining of the individual image.

The device for realization of the method includes an electrode (2) in the form of a glass substrate, on which is applied a semitransparent metal layer (4), installed above the object (3) with a gap (1) for the electrolyte, the electrode (2) and the object (3) are connected to a low-voltage electric current source (5). The device also includes a laser (6) and a scanning unit (8), controlled by a random number generator (9) and connected to an independent electric current source (7), at the same time the device is equipped with a block (11) for registration of the scanned information into the computer memory.

Claims: 3

Fig.: 2

