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The invention may be used for marking the plastic materials, glasses, board, paper, metal, wood, in particular parts of transport facilities.

The process is based on assignment of the identification number. Summary of the process consists in that onto the identification number there is applied an information graticule, for example in the form of regular geometrical figures (squares, triangles, circles), and the surface with the identification number is blasted with an ultrahigh-speed gas jet with an amalgam of particles of diverse solid materials (metals, nonmetals, alloys), the section of the high-speed atomizer being placed over the blasted surface in an aleatory trajectory. The obtained surface, as a result of implementation of the solid particles, is scanned and saved in the computer memory, and the process for identification of the material resources is carried out by comparing the identification numbers with the irreproducible image of the implemented particles of diverse materials.

Claims: 7

Fig.: 2