

Method and Device for Color Laser Marking

ABSTRACT

The present invention provides a method and device for color laser marking for attaining visible coloring without drastic modification of conventional devices and without using dyestuffs. To this end, in a color laser marking method, a workpiece (10) is a synthetic material made from organic and inorganic materials and, when irradiating laser light, patterns in different colors can be obtained by varying the received light intensity on the workpiece (10). In addition, in a color laser marking device, when the workpiece (10) is a synthetic material made from organic and inorganic materials, a controller (11) outputs laser irradiation intensity varying signals to at least one of laser irradiation intensity varying means, such as a laser oscillator (1).

(Figure 1.)