

Laser recording and thermogalvanic reading data storage devices

A.M. Gorovoi¹, A.N. Malov²

¹ Irkutsk Military Aviation Engineering Institute

² Irkutsk State Technical University

Abstract

The paper considers the possibility of creating storage medium of various types, the working layer of such medium can be made on the basis of polymorphic iron-nickel alloys. The ability of thin films of these alloys to take different structural states allows to make records in analog and digital form by means of laser annealing of individual sections of the information track of the media when reading information using the thermogalvanic effect.

Keywords: laser recording, thermogalvanic reading, polymorphic iron-nickel alloy, analog and digital form.

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