

PROCESS FOR PRODUCING MAGNETIC RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

A laser beam is focused onto a substrate for texturing the substrate surface to form a multiplicity of microscopic bumps thereon, wherein the laser beam to be focused is continuously modulated at an $I_{\max}/I_{\min}$ ratio in the range from 10 to 100 wherein $I_{\max}$ is the maximum amplitude of pulse oscillating laser beam output and $I_{\min}$ is the minimum amplitude of pulse oscillating laser beam output, while the minimum output of the laser beam is controlled to a level lower than the minimum energy required for creating the microscopic bumps. A magnetic recording medium having good CSS characteristics can be produced at a high production rate from the laser-textured substrate.

NO SUITABLE FIGURE