METHOD FOR CONTROLLING LASER POWER IN A TEXTURING PROCESS

ABSTRACT

A disk texturing tool (37) is used to provide textured spots on both sides of a hardfile disk (49). Disks (49) are moved into and out of the texturing process through two disk-handling stations. An optical system includes a laser (108) directed at a beamsplitter (118) to split the laser beam into two beams having approximately power, which are directed along parallel paths through a power control optics block to expose opposite sides of a disk to be textured. The power level of each beam is controlled by a program which operates in a teach mode (220) to develop a look up table describing beam power as a function of a signal driving an attenuator, in a set point mode (242) setting this drive signal to provide a certain laser beam power, in a run mode (256) controlling this power through a feedback loop, and in a display mode (268) showing laser beam power as a function of time.

FIG. 11A

This Sheet Has Been Replaced



THIS SHEET HAS BEEN REPLACED