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ABSTRACT

"AN APPARATUS AND METHOD FOR A MAGNETIC RECORDING DISK
AND A DISK PRODUCED THEREBY"

An apparatus and method for texturing an annular portion of a surface of a magnetic recording disk, the method comprising the steps of: generating a pulsed laser beam output; expanding and homogenising the pulsed laser beam; and focusing and directing the expanded and homogenised beam onto the annular portion of the surface of the magnetic recording disk to be textured, the beam having a predetermined spot area at the surface of the disc, which spot area is of substantially the same size as the radial width of the annular portion to be textured. There is also disclosed a magnetic recording disk having a surface, at least an annular portion of which is textured by a laser texturing process, the textured annular portion of the disk having a uniform ripple-like and near periodic texture.

[Figure 1]