METHOD AND SYSTEM IN AN OPTICAL STORAGE DISC DRIVE FOR CONSERVING LASER POWER

ABSTRACT

A method and system in an optical storage disc drive (10) for conserving laser power after the reading/writing of data from/to an optical storage disc (12) via a laser light beam (204) generated by a laser light source (200) within the optical storage disc drive(10)is disclosed. An optical storage disc (12) is provided wherein the optical storage disc (12) includes an outermost data layer (52) and successive multiple interior data layers (62)therein for the storage of data. Thereafter, the laser light beam (204) is focused at an interior data layer (62) in order to read or write data from or to the interior data layer (62). The laser light beam (204) is refocused at the outmost data layer (52) if the optical storage disc drive (10) enters a quiescent mode, such that upon refocusing, the laser light source (200) experiences a decrease in laser power.

FIG.4