RECORDING APPARATUS AND RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

There are provided a spindle motor 12, an optical head 20, a high-pass filter 31, low-pass filters 32 and 33, an adder 38, and a PLL 39. The spindle motor 12 rotatively drives an optical disk 11. The optical head 20 irradiates a laser beam onto a target track and both tracks adjacent to the target track on the optical disk 11 and detects a return light from each track. The high-pass filter 31 filters a high-frequency component in a signal used for detecting a return light from a target track in the optical head 20. Each of the low-pass filters 32 and 33 filters a low-frequency component in a signal used for detecting a return light from each of the adjacent tracks. The adder 38 operates output signals from the high-pass filter 31, and the low-pass filters 32 and 33. Based on a signal from the adder 38, the PLL 39 generates a reference signal used as a time reference for generating recording signals. An operation by the adder 38 nullifies a cross modulation component.

Fig. 1