

ABSTRACT

The present patent relates to a parallel reproducing holographic disk reading method and device, and belongs to the technical field of optical holographic storage. According to an angle-shift multiplexing method included in the present patent, 5 multiplex recording is performed by simultaneously changing an incident angle of a reference light and moving a medium with a fixed angle change amount and a fixed shift amount. In this method, the reference light can be split for incidence, and then holograms in different units can be simultaneously reproduced. According to the method disclosed by the patent, a recorded hologram can be read and written in real 10 time, and a recorded signal can be checked under a condition of satisfying a response time required by the medium.

[Fig. 9]