

Abstract

The invention relates to a method and an arrangement for an optical scanning device having a holographic optical element for receiving the scanning beam which has been influenced by the recording medium.

The object of the invention is to overcome the disadvantages of known methods and devices in terms of obtaining the information signal and in terms of the detection device.

One aspect of the invention is to use an optical spatial filter to obtain the information signals. A further aspect is to image the entire area of the scanning spot on only one detector and to use the complete light component, as a result of which the power component is increased and the requirements for adjustment of a plurality of elements with respect to one another are reduced. It should be mentioned as a third aspect that the holographic optical element has a simple construction.

The invention can preferably be used in CD players and video-disk players, or corresponding recording devices.

Fig. 1

