

a 2002 0105

The invention relates to the field of optoelectronics and may be used in the fiber-optic data transmission systems and in the data recording-reading systems by means of the optical carrier.

Summary of the invention consists in that the lens with gradient index of refraction contains a light-insulating shell with core, placed inside the inductance coil. With that the shell is made in the form of a plastic tube and the core in made in the form of a colloidal suspension of powder YFe5O12 in polyethylsiloxane oil.

Claims: 1

Fig.: 2