

NEAR FIELD LIGHT GENERATING DEVICE, OPTICALLY ASSISTED
MAGNETIC RECORDING HEAD, OPTICALLY ASSISTED MAGNETIC
RECORDING DEVICE, NEAR FIELD OPTICAL MICROSCOPE AND NEAR
FIELD LIGHT EXPOSURE APPARATUS

ABSTRACT

Disclosed is a near field light generating device comprising a first medium layer which transmits light from a light source. This near field light generating device generates near field light by using light irradiating a plasmon probe through the first medium. This near field light generating device is characterized in that a second medium layer having a refractive index lower than that of the first medium layer is formed between the first medium layer and the plasmon probe.

Fig. 2