

BEAM IRRADIATION APPARATUS, OPTICAL APPARATUS HAVING BEAM
IRRADIATION APPARATUS FOR INFORMATION RECORDING MEDIUM, METHOD
FOR MANUFACTURING ORIGINAL DISK FOR INFORMATION RECORDING
MEDIUM, AND METHOD FOR MANUFACTURING INFORMATION RECORDING
MEDIUM

ABSTRACT OF THE DISCLOSURE

A beam irradiation apparatus includes a beam generation source (41) for generating at least either of an optical beam, an electron beam and an ion beam, and a focusing lens (48) for focusing a beam emitted from the beam generation source (41). The beam irradiation apparatus includes at least first and second focus control mechanisms (71) and (72) each controlling a focus position of the beam with respect to the same lens system forming the focusing lens, so as to focus the beam onto an irradiation object (40) by using the focusing lens (48), whereby it possible to obtain a minute beam spot and to conduct a reliable, and stable focus control.

Figure 1