

METHOD AND DEVICE FOR FOCUSING LASER BEAM

ABSTRACT OF THE DISCLOSURE

A laser beam condensing device which can be manufactured at low cost by using reflecting mirrors which can be machined at low cost, and which is capable of condensing a laser beam to a high energy density while eliminating any optical path difference, even if the optical axis of the incident beam is strayed. This device includes a first and a second reflecting mirror. An incident laser beam is deflected by these mirrors in the same direction. One of the two mirrors is a toroidal mirror, while the other is a spherical, cylindrical or toroidal reflecting mirror. The mirror surfaces of the two reflecting mirrors are machined so that the second reflecting mirror can cancel out any wave front aberration of the laser beam reflected by the first reflecting mirror.

This sheet Has Been Replaced

