

TITLE OF INVENTION: LASER PROCESSING APPARATUS AND METHOD OF FORMING LASER BEAM USING THE SAME

ABSTRACT

A laser processing apparatus is disclosed. The laser processing apparatus comprises: a light source configured to provide a laser beam; a beam expander comprising a birefringent material configured to birefringe the laser beam to form a first laser beam polarized in a first direction and a second laser beam polarized in a second direction perpendicular to the first direction; and a focusing lens configured to focus the first laser beam and the second laser beam onto a workpiece, wherein the first laser beam and the second laser beam are focused at different depths from a surface of the workpiece.

FIG. 1