

IMPRINT APPARATUS AND METHOD OF IMPRINTING A PARTIAL FIELD

ABSTRACT

In an embodiment, an imprint apparatus can include a substrate holder having a chucking region and a recessed support section; and a template holder, wherein the chucking region has more area as compared to a template region. In another embodiment, an imprint apparatus can include gas zones; and a gas controller that can be configured to adjust pressures within the gas zones to induce a convex curvature of a partial field of a workpiece used with the imprint apparatus. A method can include providing a workpiece within an imprint apparatus, wherein the workpiece includes a substrate and a formable material; and initially contacting a template with the formable material at a location spaced apart from the periphery of a partial field. In a particular embodiment, the method can further include modulating the substrate to form a convex shape contacting the template with the formable material.

FIG 5.