

ABSTRACT

OPTICAL DEVICE MOLDING SYSTEM

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A substrate having a plurality of protrusion members on its surface is molded by a molding system comprising first and second molds cooperating to apply a clamping force onto the substrate for molding, and a middle plate located between the first and second molds such that the substrate is clamped between the middle plate and the first mold during molding. A plurality of molding cavities is located on the second mold and through-holes formed in the middle plate correspond to positions of the molding cavities, such that each through-hole is sized and configured for inserting a protrusion member of the substrate to enable each protrusion member to be in communication with a molding cavity of the second mold. Molding compound is molded onto the protrusion members by the molding cavities during molding.

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(FIG. 5)