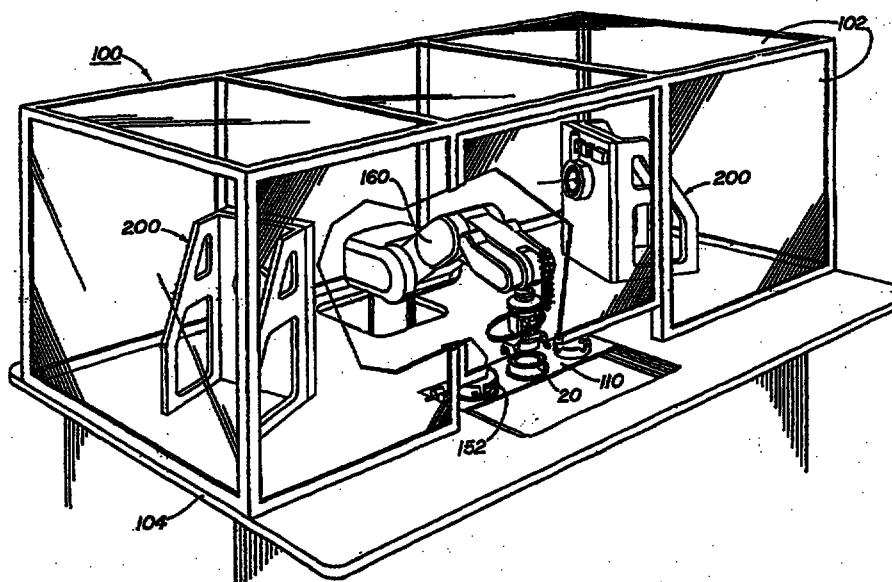


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(54) Title: METHOD AND APPARATUS FOR ASSEMBLING LENS-FORMING DEVICE



(57) Abstract

This invention pertains to a method and apparatus for assembling a lens-forming structure, and forming a lens. The invention includes a collet (150) that supports a gasket (20), a robotic arm (160) that inserts a front mold (40) into a bore (30) of the gasket (20), and a piston (134) that inserts a rear mold (50) into the bore (30) of the gasket (20). The robot arm (160) or the piston (134) moves its respective mold (40, 50) within the bore (30) of the gasket (20) to axially position the molds (40, 50) relative to one another. The invention further includes a needle (25) that inserts fluid into the bore (30) of the gasket (20) to facilitate axial movement of the molds (40, 50) relative to each other. The invention further includes a needle (250) that injects a lens-forming fluid into the bore (30) of the gasket (20) intermediate the molds (40, 50), which fluid cures and forms a lens.