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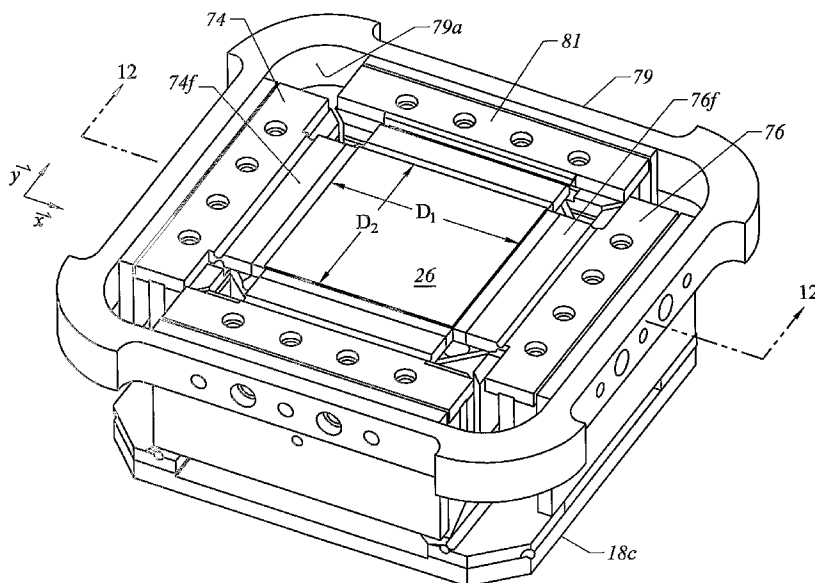
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[Continued on next page]

(54) Title: SYSTEMS FOR MAGNIFICATION AND DISTORTION CORRECTION FOR IMPRINT LITHOGRAPHY PROCESSES



(57) Abstract: The present invention is directed toward a system to vary dimensions of a template in order to attenuate if not prevent distortions in an underlying pattern formed by the template. To that end, the system features a compression device that includes a pair of spaced-apart contact members to compress a perimeter surface of the template between the pair of spaced-apart contact members. The compression device includes first and second bodies, each has a contact member and an actuator arm. One of the actuator arms is coupled to the first body to reciprocate about an axis in response to variations of a volume of a bladder disposed adjacent to the actuator arm. In this manner, the distance between the two contact members may be varied.



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