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(71) Applicant: **ENTEGRIS, INC.** [US/US]; 129 Concord Road, Billerica, MA 01821 (US).

(72) Inventors: **GREGERSON, Barry**; 19550 Excelsior Boulevard, Deephaven, MN 55113 (US). **FULLER, Matthew, A.**; 1731 North Nevada Avenue, Colorado Springs, CO 80907 (US).

(74) Agents: **CHRISTENSEN, Douglas, J.** et al.; Christensen Fonder P.A., 33 South Sixth Street, Suite 3940, Minneapolis, MN 55402 (US).

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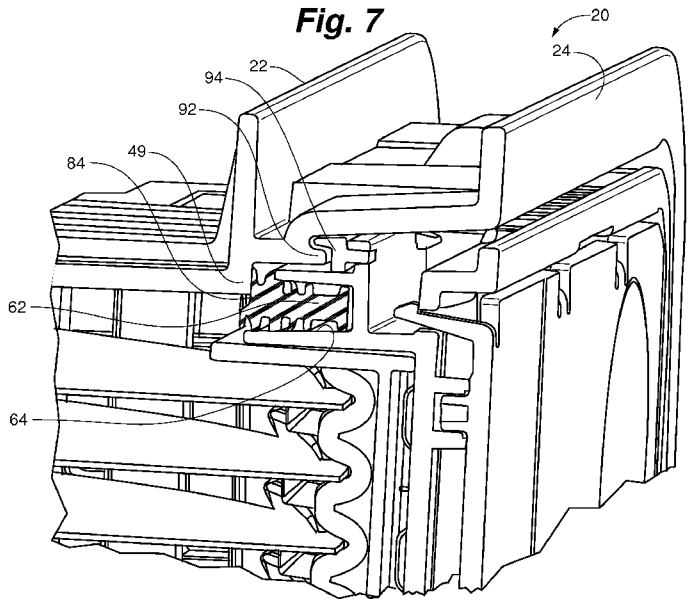
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(54) Title: WAFER CONTAINER WITH DOOR INTERFACE SEAL

Fig. 7



(57) Abstract: The present invention addresses the need of the industry for a better performing and longer lasting seal structure for a wafer container by providing an elastomeric seal that has enhanced sealing capabilities with respect separating the interior and exterior of the container, enhanced retention of the seal in the groove characteristics, and enhanced sealing of the groove by the seal to preclude leakage through the seal groove engagement and to minimize or eliminate water from entering the groove during washing. The wafer container may be a front opening wafer container comprising a container portion and a door, one of the container portion and the door having a radially installed seal with a plurality of opposing lateral projections that deflect from a normal position in a direction away from an install direction when the seal is installed in a groove, the lateral projections resisting removal of the seal after the seal is seated in the groove. A core portion and a canti levered finger member engages the other of the door and container portion when the door is seated in the container portion. Other lateral projections on the seal effectively seal the path between the seal and groove surfaces.