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(54) Title: RING STRUCTURE WITH COMPLIANT CENTERING FINGERS

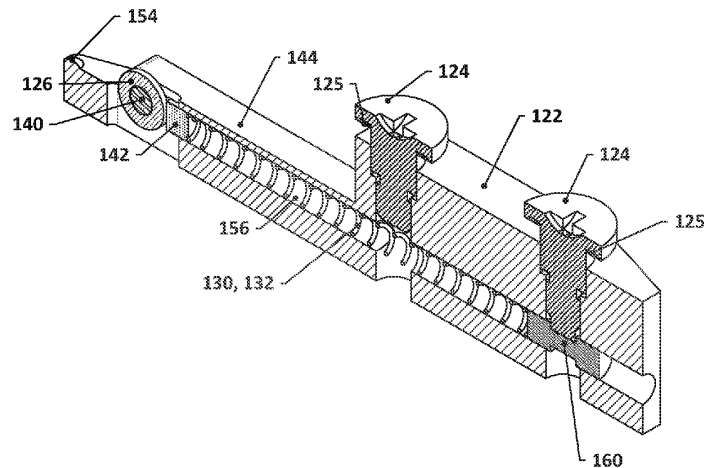


Figure 5C

(57) Abstract: Improved edge rings with wafer-centering roller mechanisms are disclosed. The roller mechanisms of these apparatuses are equipped with spring-biased rollers that are urged radially inward such that the rollers may move radially inward or outward to compensate for differential temperature expansion between wafers and the edge ring over a large temperature range while still maintaining high placement accuracy at both high and low temperatures.

[Continued on next page]



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