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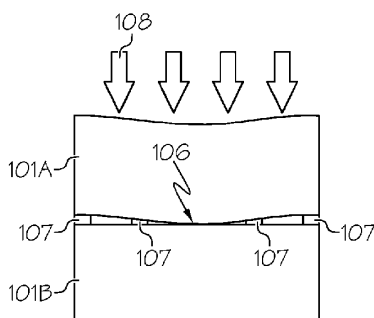


FIG. 1B

(57) Abstract: A method for bonding with precision alignment. Droplets of volatile liquid are dispensed at pre-specified locations on a first bonding surface or a second bonding surface. Precision alignment is enabled by the lubricated relative motion due to the volatile liquid being deployed between the first and second bonding surfaces, where a first portion of the droplets of the volatile liquid is dispensed at a center of the first or second bonding surface, and where a second portion of the droplets of the volatile liquid is dispensed at an edge of the first bonding surface and/or the second bonding surface. The first and second portions of the droplets of the volatile liquid enable bowing of the first bonding surface with respect to the second bonding surface such that evaporation of the droplets of volatile liquid causes a center of the first and second bonding surfaces to make contact with each other.

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