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(54) **Title:** HETEROGENEOUS INTEGRATION OF COMPONENTS ONTO COMPACT DEVICES USING MOIRE BASED METROLOGY AND VACUUM BASED PICK-AND-PLACE

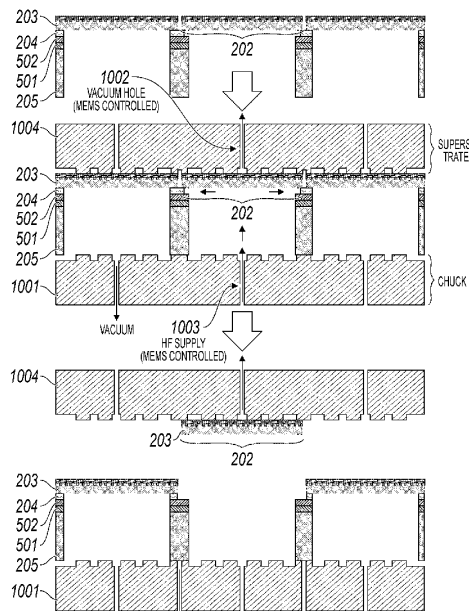


FIG. 10

(57) **Abstract:** A method for assembling heterogeneous components. The assembly process includes using a vacuum based pickup mechanism in conjunction with sub-nm precise moire alignment techniques resulting in highly accurate, parallel assembly of feedstocks.

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