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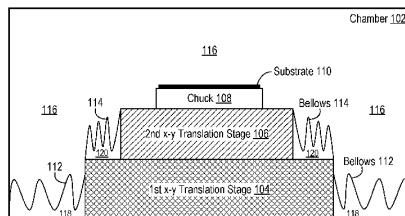
(54) **Title:** MULTI-STAGE, MULTI-ZONE SUBSTRATE-POSITIONING SYSTEMS

Figure 1

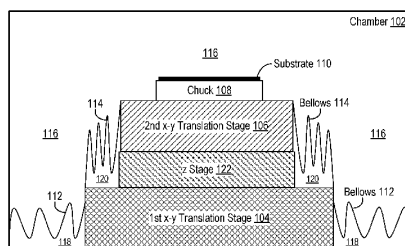


Figure 2

(57) **Abstract:** A first x-y translation stage, a second x-y translation stage, and a chuck are disposed in a chamber. The chuck is situated above and coupled to the second x-y translation stage, which is situated above and coupled to the first x-y translation stage. The chuck is configured to support a substrate and to be translated by the first and second x-y stages in x- and y-directions, which are substantially parallel to a surface of the chuck on which the substrate is to be mounted. A first barrier and a second barrier are also disposed in the chamber. The first barrier is coupled to the first x-y translation stage to separate a first zone of the chamber from a second zone of the chamber. The second barrier is coupled to the second x-y translation stage to separate the first zone of the chamber from a third zone of the chamber.

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