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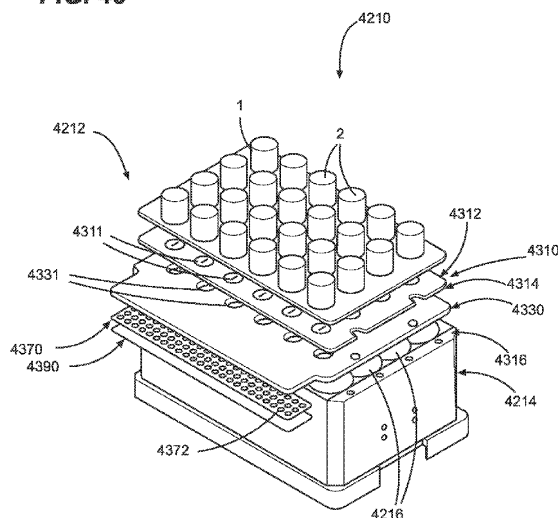
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(54) Title: CONTAINER ASSEMBLY FOR MICROBIOREACTOR

FIG. 43



(57) Abstract: A gassing lid assembly enables gas-tight sealing of sample containers in general, also referred to as microplates in some embodiments, with simultaneous guided access for the pipetting unit of a dispensing/pipetting robot, also referred to as a pipettor. The component enables both gas-tight sealing and guided access for the pipetting robot. The gassing lid serves a number of purposes at the same time and provides the following advantages in a non-limiting fashion: a gas tight seal, robot integration without a gassing lid, robot integration with a gassing lid, a sealing mechanism, and anaerobic transport. Reducing the volume above reservoirs of a sample container (e.g., the volume above wells of a microplate) is advantageous in that it reduces the safety risk of high concentrations of gases such as oxygen.

[Continued on next page]

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