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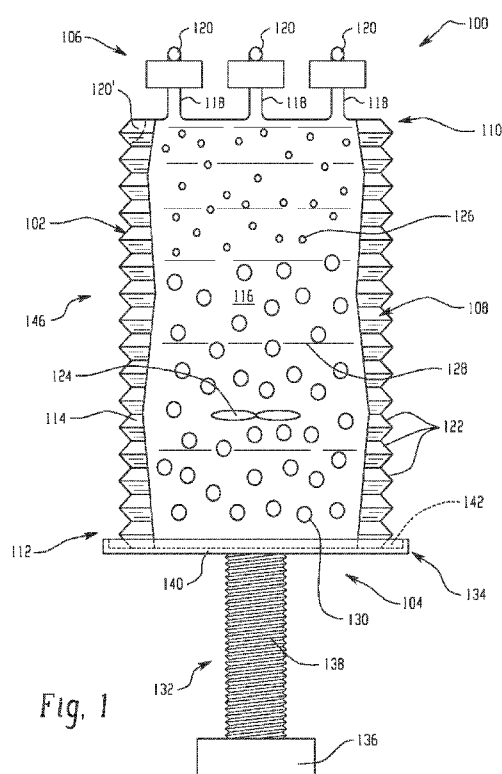
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(54) Title: DISPOSABLE BIOREACTOR WITH ACOUSTOPHORESIS DEVICE



(57) Abstract: A disposable bioreactor system includes a bag having a first end and a second end. An acoustophoresis device is disposed at the first end of the bag, and is separable from the bag. An actuating mechanism is operably connected to the second end of the bag. The actuating mechanism is configured to move the second end of the bag towards the acoustophoresis device, so that fluids within the volume of the bag flow past the acoustophoresis device and carry desired biomolecules out of the bag for collection, while cells and other debris remain within the bag for disposal.



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