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(54) **Title:** DISPOSABLE VALVE AND FLEXIBLE CONTAINERS FOR PRESSURIZED BIOREACTORS

(57) **Abstract:** Disclosed herein are embodiments of a valve assembly for preventing dead leg spaces in a container or tubing, the embodiments including a three-way valve system for controlling back-pressure in a fluid generating device, such as a single-use high pressure bioreactor. Also disclosed is a pressurized reactor system for bioprocessing, comprising a single-use container including a flexible wall or a semi-rigid wall.

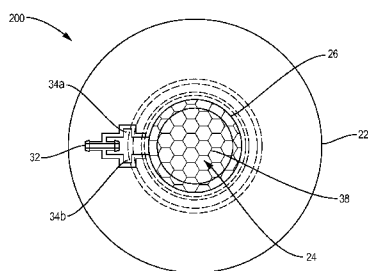


FIG. 1A

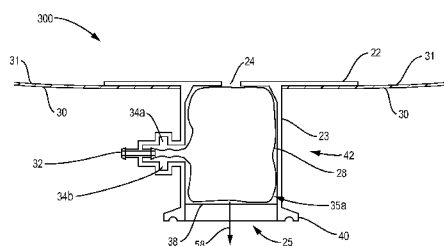


FIG. 1B



Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

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— *with international search report (Art. 21(3))*