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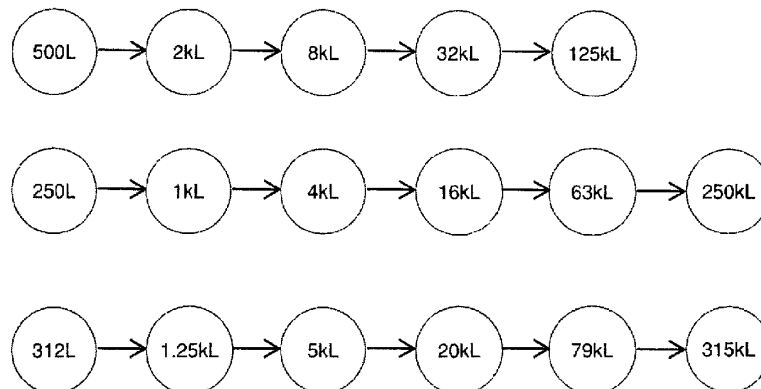
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(54) Title: BIOREACTOR SYSTEMS

FIG. 1



(57) Abstract: This disclosure relates to large-scale bioreactor systems comprising a vessel comprising internal reaction chamber having a volumetric and cell-sustaining capacity significantly above that of currently available bioreactor systems.

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