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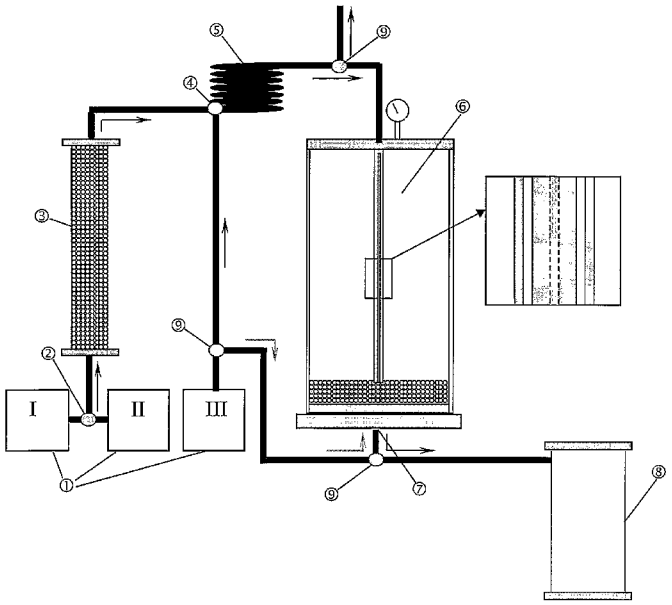
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(54) Title: METHODS AND DEVICES FOR PRODUCING BIOMOLECULES



(57) Abstract: A scalable process and device for producing a biomolecule, in particular pharmaceutical grade plasmid DNA. The process includes the steps of alkaline lysis and a neutralization. For separating the lysate and the precipitate, the mixture is allowed to gently flow downward through a clarification reactor that is partially filled, in its lower part, with retention material like glass beads, whereby the precipitate is retained on top of and within the retention. In a preferred embodiment of the lysis step, cell suspension and alkaline lysis solution flow through a lysis reactor that is filled with particulate material like glass beads. The process can be run continuosly and fully automated.

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