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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

[Continued on next page]

(54) Title: LINKED PERFUSION TO CONTINUOUS-FLOW STIRRED-TANK REACTOR CELL CULTURE SYSTEM

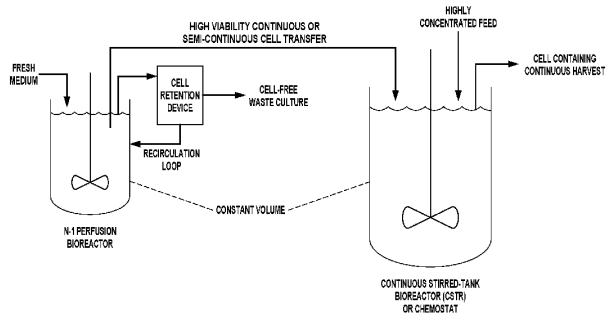


Figure 1

(57) Abstract: Methods of protein production in a linked culture and production bioreactor system are provided. Such methods include a culture bioreactor (N-1 bioreactor) linked to production bioreactor (N bioreactor). More specifically, the methods include (a) culturing cells with a gene that encodes the protein of interest in a continuous perfusion culture bioreactor (N-1 bioreactor); inoculating a continuously stirred tank reactor (CSTR) production bioreactor (N bioreactor) with cells obtained from step (a); and culturing the cells in the CSTR production bioreactor under conditions that allow production of the protein of interest.

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