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(54) Title: APPARATUS FOR REFOLDING OF RECOMBINANT PROTEINS

(57) Abstract: A machine or apparatus for refolding a protein of interest produced recombinantly in a host cell in form of inclusion bodies is provided. The apparatus includes an inclusion bodies (IB) solubilisation tank to solubilise the inclusion bodies; a plurality of refolding vessels or reactors arranged in series to receive a refolding feed; a first tank connected to the IB solubilisation tank to hold diafiltration buffer or agent; a first diafiltration cartridge having at least one permeate end and one retentate end, connected to the IB solubilisation tank, through a first retentate end to feed the refolding feed to the IB solubilisation tank; a second tank, connected to the first permeate end of the diafiltration cartridge to receive and recycle the refolding buffer and each of the refolding vessels, for supplying refolding buffer or agent to each of the refolding vessels.

