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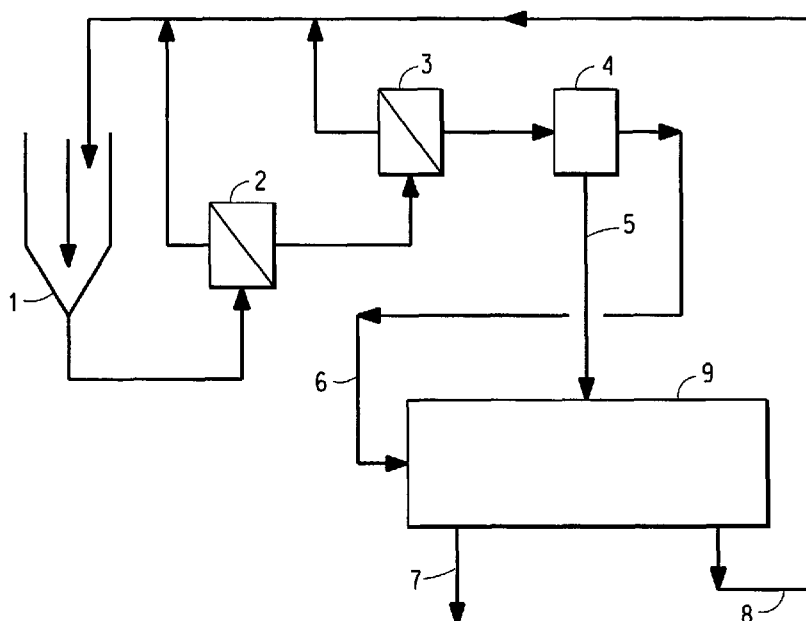
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(54) Title: A PRODUCT REMOVAL PROCESS FOR USE IN A BIOFERMENTATION SYSTEM



(57) Abstract: This invention relates to a bioprocess engineering solution for a product removal process for use in a biofermentation. The invention discloses a process for withdrawing an aliquot of broth from a biofermentation vessel during at least a portion of the biofermentation, removing biocatalyst and water, chromatographically separating biofermentation products from the withdrawn broth using water as an eluent, and returning the remaining components of the broth back to the biofermentation vessel. Process chromatography permits highly selective separation of the target molecule, preventing feedback inhibition of the biofermentation.



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