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(54) Title: PROCESS FOR BIO-1,3-BUTANEDIOL PURIFICATION FROM A FERMENTATION BROTH

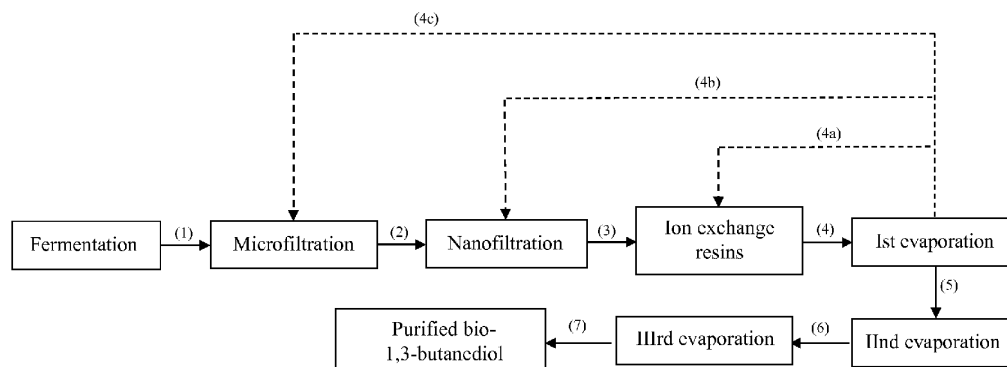


Fig. 1

(57) Abstract: Process for bio-1,3-butanediol purification from a fermentation broth comprising the following steps: (a) subjecting the fermentation broth to separation; (b) subjecting the product obtained in step (a) to treatment with ion-exchange resins; (c) subjecting the product obtained in step (b) to a first evaporation; (d) subjecting the product obtained in step (c) to a second evaporation; (e) subjecting the product obtained in step (d) to a third evaporation, obtaining purified bio-1,3-butanediol. Said purified bio-1,3-butanediol may advantageously be used for the production of bio-1,3-butadiene, which in turn may advantageously be used as a monomer or as an intermediate in the production of elastomers and (co)polymers.

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