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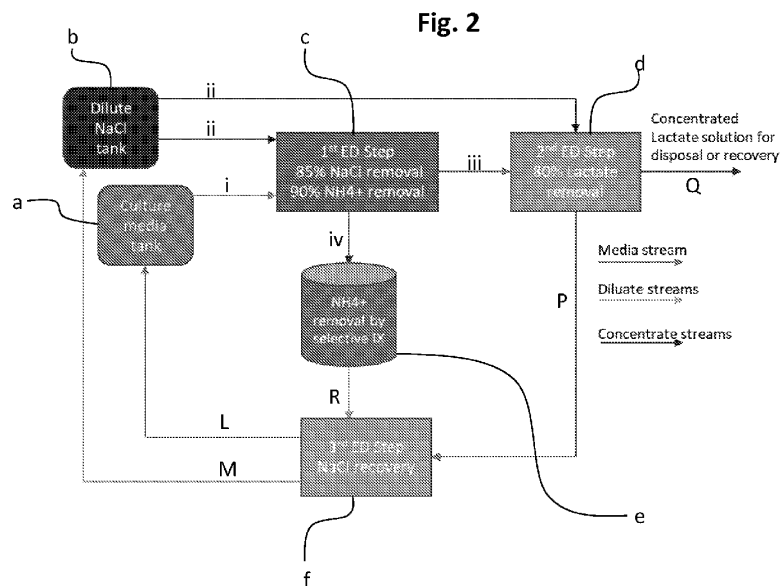
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(54) Title: SELECTIVE SEPARATION OF AMMONIUM AND LACTATE FROM CELL CULTURE MEDIA



(57) Abstract: There are provided herein systems and methods for recycling culture media by removing undesired materials, such as, ammonium and lactate therefrom, which are safe, efficient, cost effective, and able to specifically remove selected undesired materials from culture media, while maintaining vital material, such as growth factors, amino acids, vitamins, proteins, enzymes, co-enzymes, hormones, sugars, carbohydrates, micronutrients, macronutrients, minerals, osmolarity agents, pH maintenance agents, under various conditions and settings.

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