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(54) Title: METHOD AND SYSTEM OF ADDING FEED MEDIUM INTO BIOPROCESS

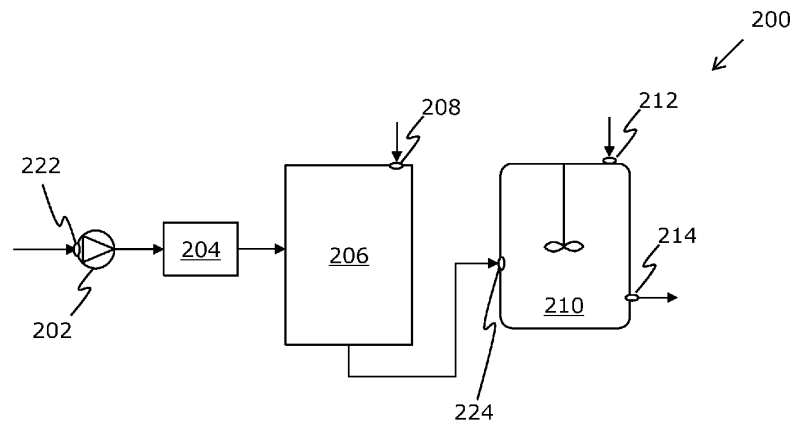


FIG. 2

(57) Abstract: Disclosed is a method of adding a feed medium into a bioprocess. The method comprising, receiving a stream of CO₂-rich gas; treating the stream of CO₂-rich gas to remove impurities therefrom; preparing an aqueous mixture for absorbing carbon dioxide, the aqueous mixture comprises at least one inorganic nitrogen compound in a range of 0.1 - 50 wt% of the aqueous mixture, the at least one inorganic nitrogen compound is a nitrogen source for microorganisms; absorbing carbon dioxide from the stream of CO₂-rich gas into the aqueous mixture, the aqueous mixture with absorbed carbon dioxide forming a feed medium; and adding the feed medium into a bioprocess

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