

Title (en)

FERMENTATION PROCESS AND BIOREACTOR FOR CARRYING OUT ANAEROBIC, AEROBIC AND MICRO-AIR AVID FERMENTATION PROCESSES, COMPRISING A SPILLWAY-TYPE AIRLIFT SYSTEM

Title (de)

FERMENTATIONSVERFAHREN UND BIOREAKTOR ZUR DURCHFÜHRUNG VON ANAEROBEN, AEROBEN UND MIKRO-AEROPHILEN FERMENTATIONEN UMFASSEND EINEN AIRLIFT-SCHACHTÜBERFALL

Title (fr)

PROCÉDÉ DE FERMENTATION ET BIORÉACTEUR POUR LA MISE EN OEUVRE DE PROCÉDÉS DE FERMENTATION ANAÉROBIE, AÉROBIE ET MICRO-AIR, COMPRENANT UN SYSTÈME D'AÉRATION DE TYPE DÉVERSOIR

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Abstract (en)

[origin: WO2022012843A1] The invention relates to a process and a bioreactor for carrying out the process, comprising a sparger device that is in the form of a spillway-type airlift system. The bioreactor is suitable for anaerobic, aerobic and micro-air avid fermentation processes. The aeration device is preferably self-priming and allows recycling of gas by recirculation, the required gas supply being decoupled from the sparging intensity and the energy input, and the bioreactor is therefore suitable for use with gaseous substrates.

IPC 8 full level

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