

Title (en)

METHODS FOR PRODUCING RICH CELL CULTURE MEDIA USING CHEMOAUTOTROPHIC MICROBES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON REICHEN ZELLKULTURMEDIEN UNTER VERWENDUNG VON CHEMOAUTOTROPHEN MIKROBEN

Title (fr)

PROCÉDÉS DE PRODUCTION DE MILIEUX DE CULTURE CELLULAIRE RICHES À L'AIDE DE MICROBES CHIMIOAUTOTROPHES

Publication

EP 3806650 A4 20220511 (EN)

Application

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Abstract (en)

[origin: WO2019246066A1] Production of nutrient-rich media, from an initial minimal medium, the rich media being suitable for cultivating heterotrophic cells, is described. These methods employ gas fermentation of photoautotrophic and/or chemoautotrophic microbes, under chemoautotrophic conditions, using carbon in common industrial waste gases to feed the growing biomass. The microbes also transform some of the carbon into organic nutrients that are released into the minimal medium thereby enriching the minimal medium. In further methods the nutrient-rich medium is then used to cultivate heterotrophic cells.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XI] WO 2013090769 A2 20130620 - KIVERDI INC [US]
- [XI] WO 2013040012 A1 20130321 - OAKBIO INC [US], et al
- See references of WO 2019246066A1

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