Title (en)

PRODUCTION OF ALCOHOL ESTERS AND IN SITU PRODUCT REMOVAL DURING ALCOHOL FERMENTATION

Title (de)

HERSTELLUNG VON ALKOHOLESTERN UND IN-SITU-PRODUKTBESEITIGUNG WÄHREND DER ALKOHOLISCHEN GÄRUNG

Title (fr)

PRODUCTION D'ESTERS D'ALCOOL ET ÉLIMINATION DU PRODUIT IN SITU PENDANT UNE FERMENTATION ALCOOLIQUE

Publication

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Application

EP 11727619 A 20110617

Priority

- US 36845110 P 20100728
- US 201113160766 A 20110615
- US 201161440034 P 20110207
- US 37954610 P 20100902
- US 36844410 P 20100728
- US 36843610 P 20100728
- US 36842910 P 20100728
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- US 2011040856 W 20110617

Abstract (en)

[origin: WO2011159962A1] Fatty acids derived from biomass at a step in a fermentation process can be added to a fermentation medium comprising a recombinant microorganism that produces a product alcohol. At least one of growth rate and fermentable carbon consumption of the microorganism is greater in the presence of the fatty acids than the growth rate and the fermentable carbon consumption of the microorganism in the absence of the fatty acids. The addition of the fatty acids can increase glucose consumption, and can improve microorganism biomass production (cell growth/density) and growth rate, thereby reducing production time and increasing productivity of the fermentation process.

IPC 8 full level

C12P 7/16 (2006.01); **C07C 29/86** (2006.01); **C11C 1/04** (2006.01)

CPC (source: EP KR)

C07C 29/86 (2013.01 - EP KR); **C12N 1/38** (2013.01 - EP); **C12N 9/88** (2013.01 - EP); **C12P 7/06** (2013.01 - KR); **C12P 7/16** (2013.01 - EP KR); **C12Y 301/01003** (2013.01 - EP); B01D 21/262 (2013.01 - EP); Y02E 50/10 (2013.01 - EP)

Citation (search report)

See references of WO 2011159998A2

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WO 2011159967 A1 20111222 - BUTAMAX TM ADVANCED BIOFUELS [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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