

Title (en)
SUPPLEMENTATION OF FATTY ACIDS FOR IMPROVING ALCOHOL PRODUCTIVITY

Title (de)
HINZUFÜGUNG VON FETTSÄUREN ZUR VERBESSERUNG DER ALKOHOLPRODUKTIVITÄT

Title (fr)
AJOUT D'ACIDES GRAS POUR AMÉLIORER LE RENDEMENT DE PRODUCTION D'ALCOOL

Publication
EP 2582823 A1 20130424 (EN)

Application
EP 11727615 A 20110617

Priority

- US 201113160766 A 20110615
- US 201161440034 P 20110207
- US 37954610 P 20100902
- US 36842910 P 20100728
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- US 36843610 P 20100728
- US 36845110 P 20100728
- US 35629010 P 20100618
- US 2011040796 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
C07C 29/86 (2006.01); **C12P 7/16** (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 2011159962A1

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

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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US 2011040796 W 20110617; AR P110102142 A 20110621; AU 2011268169 A 20110617; AU 2011268201 A 20110617; AU 2011268215 A 20110617; AU 2011268244 A 20110617; BR 112012032166 A 20110617; BR 112012032352 A 20110617; BR 112012032357 A 20110617; CA 2800542 A 20110617; CA 2800719 A 20110617; CA 2801209 A 20110617; CA 2801498 A 20110617; CN 201180029821 A 20110617; CN 201180030096 A 20110617; CN 201180030125 A 20110617; CN 201180039696 A 20110617; EP 11727615 A 20110617; EP 11727618 A 20110617; EP 11727619 A 20110617; EP 11727620 A 20110617; JP 2013515530 A 20110617; JP 2013515540 A 20110617; JP 2013515543 A 20110617; JP 2013515550 A 20110617; KR 20137001247 A 20110617; KR 20137001249 A 20110617; KR 20137001250 A 20110617; KR 20137001251 A 20110617; MX 2012014551 A 20110617; MX 2012014683 A 20110617; MX 2012014687 A 20110617; MX 2012014784 A 20110617; NZ 60303611 A 20110617; NZ 60346711 A 20110617; NZ 60365911 A 20110617; RU 2013102308 A 20110617; US 2011040842 W 20110617; US 2011040856 W 20110617; US 2011040899 W 20110617; ZA 201208372 A 20121107; ZA 201208676 A 20121119; ZA 201208677 A 20121119