

Title (en)

METHODS AND SYSTEMS FOR PRODUCING ETHANOL USING RAW STARCH AND FRACTIONATION

Title (de)

VERFAHREN UND EINRICHTUNGEN ZUR PRODUKTION VON ETHANOL AUS STÄRKE UND FRAKTIONIERUNG

Title (fr)

PROCEDES ET SYSTEMES SERVANT A PRODUIRE DE L'ETHANOL AU MOYEN D'AMIDON BRUT ET D'UN FRACTIONNEMENT

Publication

EP 1723248 A2 20061122 (EN)

Application

EP 05725366 A 20050310

Priority

- US 2005008156 W 20050310
- US 55210804 P 20040310
- US 61491604 P 20040930
- US 61515504 P 20041001

Abstract (en)

[origin: WO2005087937A2] The present invention relates to methods for producing high levels of alcohol during fermentation of plant material, and to the high alcohol beer produced. The method can include adding substrate continuously or clarifying continuously. The present invention also relates to methods for producing high protein distiller's dried grain from fermentation of plant material, and to the high protein distiller's dried grain produced. The present invention further relates to reduced stack emissions from drying distillation products from the production of ethanol.

IPC 8 full level

C12P 7/06 (2006.01); **C12P 7/00** (2006.01)

CPC (source: EP)

C12P 7/06 (2013.01); **Y02E 50/10** (2013.01)

Citation (search report)

See references of WO 2005087938A2

Citation (examination)

- US 2003180415 A1 20030925 - STIEFEL MICHAEL J [US], et al
- US 2003232109 A1 20031218 - DAWLEY LARRY J [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

WO 2005087937 A2 20050922; WO 2005087937 A3 20060209; AU 2005222426 A1 20050922; BR PI0508606 A 20070731; CA 2559015 A1 20050922; CA 2559015 C 20140729; EP 1723248 A2 20061122; EP 2281898 A1 20110209; EP 2281898 B1 20160810; WO 2005087938 A2 20050922; WO 2005087938 A3 20060526

DOCDB simple family (application)

US 2005008155 W 20050310; AU 2005222426 A 20050310; BR PI0508606 A 20050310; CA 2559015 A 20050310; EP 05725366 A 20050310; EP 10181812 A 20050310; US 2005008156 W 20050310