

Title (en)
SYSTEM FOR TREATMENT OF BIOMASS TO FACILITATE THE PRODUCTION OF ETHANOL

Title (de)
SYSTEM ZUR BEARBEITUNG VON BIOMASSE ZUR ETHANOLHERSTELLUNG

Title (fr)
SYSTÈME DE TRAITEMENT D'UNE BIOMASSE POUR FACILITER LA PRODUCTION D'ÉTHANOL

Publication
EP 2432889 A4 20130911 (EN)

Application
EP 10778283 A 20100518

Priority
• US 2010035316 W 20100518
• US 17934909 P 20090518

Abstract (en)
[origin: WO2010135366A1] A method for treating fermented lignocellulosic biomass to be supplied to a distillation system for production of ethanol is provided. The method includes pre- treating lignocellulosic biomass into pre-treated biomass and separating the pre-treated biomass into a liquid component comprising sugars and a solids component comprising cellulose and lignin. The method also includes hydrolysing the solids component of the pre-treated biomass into a hydrolysed biomass comprising sugars and lignin and fermenting the hydrolysed solids component of the pre-treated biomass into a fermentation product comprising ethanol and lignin. The method also includes treating the fermentation product and distilling the treated fermentation product to recover the ethanol. The lignocellulosic biomass comprises cellulose, hemi-cellulose and lignin.

IPC 8 full level
C12P 7/06 (2006.01); **C12P 7/10** (2006.01)

CPC (source: EP)
C12P 7/10 (2013.01); **Y02E 50/10** (2013.01)

Citation (search report)
• [XY] WO 2009058276 A1 20090507 - MASCOMA CORP [US], et al
• [Y] US 2005233030 A1 20051020 - LEWIS STEVEN M [US], et al
• See references of WO 2010135366A1

Cited by
US9617574B2; US10329593B2

Designated contracting state (EPC)
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 SE SI SK SM TR

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