



(86) Date de dépôt PCT/PCT Filing Date: 2007/04/30
(87) Date publication PCT/PCT Publication Date: 2007/11/15
(45) Date de délivrance/Issue Date: 2013/09/17
(85) Entrée phase nationale/National Entry: 2008/10/30
(86) N° demande PCT/PCT Application No.: US 2007/010415
(87) N° publication PCT/PCT Publication No.: 2007/130337
(30) Priorité/Priority: 2006/05/01 (US60/796,375)

(51) Cl.Int./Int.Cl. *C08B 1/00* (2006.01),
C01C 1/10 (2006.01), *C12P 19/00* (2006.01),
C12P 19/02 (2006.01), *C13K 1/02* (2006.01)
(72) Inventeurs/Inventors:
DALE, BRUCE E., US;
LYND, LEE R., US;
LASER, MARK, US
(73) Propriétaires/Owners:
BOARD OF TRUSTEES OF MICHIGAN STATE
UNIVERSITY, US;
TRUSTEES OF DARTMOUTH COLLEGE, US
(74) Agent: RIDOUT & MAYBEE LLP

(54) Titre : PROCÉDE DE TRAITEMENT D'UNE BIOMASSE LIGNOCELLULOSIQUE
(54) Title: PROCESS FOR THE TREATMENT OF LIGNOCELLULOSIC BIOMASS

(57) **Abrégé/Abstract:**

A process for the treatment of biomass to render structural carbohydrates more accessible and/or digestible using concentrated ammonium hydroxide with or without anhydrous ammonia addition, is described. The process preferably uses steam to strip ammonia from the biomass for recycling. The process yields of monosaccharides from the structural carbohydrates are good, particularly as measured by the enzymatic hydrolysis of the structural carbohydrates. The monosaccharides are used as animal feeds and energy sources for ethanol production.



