

Title (en)

RECYCLABLE BUFFER FOR THE HYDROTHERMAL HYDROCATALYTIC TREATMENT OF BIOMASS

Title (de)

WIEDERVERWENDBARER PUFFER ZUR HYDROTHERMALEN HYDROKATALYTISCHEN BEHANDLUNG EINER BIOMASSE

Title (fr)

TAMPON RECYCLABLE POUR LE TRAITEMENT HYDROCATALYTIQUE HYDROTHERMIQUE DE BIOMASSE

Publication

**EP 2935519 A2 20151028 (EN)**

Application

**EP 13818620 A 20131219**

Priority

- US 201261739354 P 20121219
- US 2013076325 W 20131219

Abstract (en)

[origin: US2014166221A1] A method of hydrothermal hydrocatalytic treating biomass is provided. Lignocellulosic biomass solids is provided to a hydrothermal digestion unit in the presence of a digestive solvent, at least one of ammonia or a source of ammonia, and a supported hydrogenolysis catalyst containing (a) sulfur, (b) Mo or W, and (c) Co, Ni or mixture thereof, incorporated into a suitable support. The lignocellulosic biomass solids and digestive solvent are heated in the presence of hydrogen, supported hydrogenolysis catalyst and the at least one of ammonia or a source of ammonia forming a product solution containing plurality of oxygenated hydrocarbons and ammonia. At least a portion of ammonia is separated and recycled to the hydrothermal digestion unit.

IPC 8 full level

**C10G 1/06** (2006.01); **C07G 1/00** (2011.01); **C08L 1/08** (2006.01); **C10G 3/00** (2006.01)

CPC (source: EP US)

**C07G 1/00** (2013.01 - EP US); **C10G 1/065** (2013.01 - EP US); **C10G 3/46** (2013.01 - EP US); **C10G 3/50** (2013.01 - EP US); **C10G 3/56** (2013.01 - EP US); **D21C 3/006** (2013.01 - US); **C10G 2300/1014** (2013.01 - EP US); **Y02P 20/582** (2015.11 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)

See references of WO 2014100303A2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

**US 201314133695 A 20131219**; CN 201380066742 A 20131219; EP 13818620 A 20131219; US 2013076325 W 20131219