

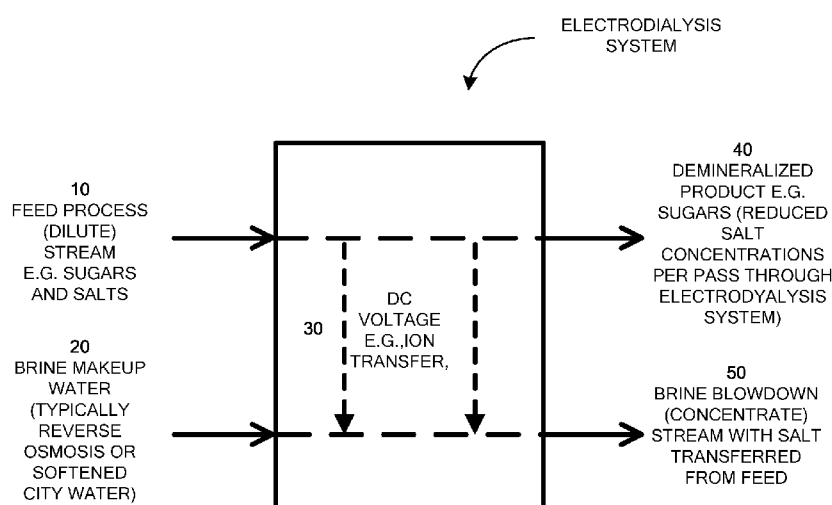


- (51) International Patent Classification:
C12P 7/10 (2006.01)
- (21) International Application Number:
PCT/US2014/021815
- (22) International Filing Date:
7 March 2014 (07.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|---------------------------|----|
| 61/774,684 | 8 March 2013 (08.03.2013) | US |
| 61/774,773 | 8 March 2013 (08.03.2013) | US |
| 61/774,731 | 8 March 2013 (08.03.2013) | US |
| 61/774,735 | 8 March 2013 (08.03.2013) | US |
| 61/774,740 | 8 March 2013 (08.03.2013) | US |
| 61/774,744 | 8 March 2013 (08.03.2013) | US |
| 61/774,746 | 8 March 2013 (08.03.2013) | US |
| 61/774,750 | 8 March 2013 (08.03.2013) | US |
| 61/774,752 | 8 March 2013 (08.03.2013) | US |
| 61/774,754 | 8 March 2013 (08.03.2013) | US |
| 61/774,775 | 8 March 2013 (08.03.2013) | US |
| 61/774,780 | 8 March 2013 (08.03.2013) | US |
| 61/774,761 | 8 March 2013 (08.03.2013) | US |
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- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,

[Continued on next page]

(54) Title: UPGRADING PROCESS STREAMS

FIG. 1A



(57) Abstract: Biomass (e.g., plant biomass, animal biomass, and municipal waste biomass) is processed to produce useful intermediates and products, such as energy, fuels, foods or materials.. Systems, methods and equipment are described for upgrading process streams using electrodialysis or electrodialysis reversal.] Many potential lignocellulosic feedstocks are available today, including agricultural residues, woody biomass, municipal waste, oilseeds/cakes and seaweed, to name a few.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))