

Dolcera's Poster on Industrial Biotechnology

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Using Dashboard for innovation in Industrial Biotechnology

There is a need for information visualization tools that can map thousands of patents, technical literature etc. in Industrial Biotechnology world to fully understand the universe of organisms, enzymes, feedstock, products and by-products and the inter-relationships between them.

To solve the above problem, Dolcera builds customized dashboards, with customized categorization, for Industrial biotechnology companies helping them map innovation to the following basic variables:

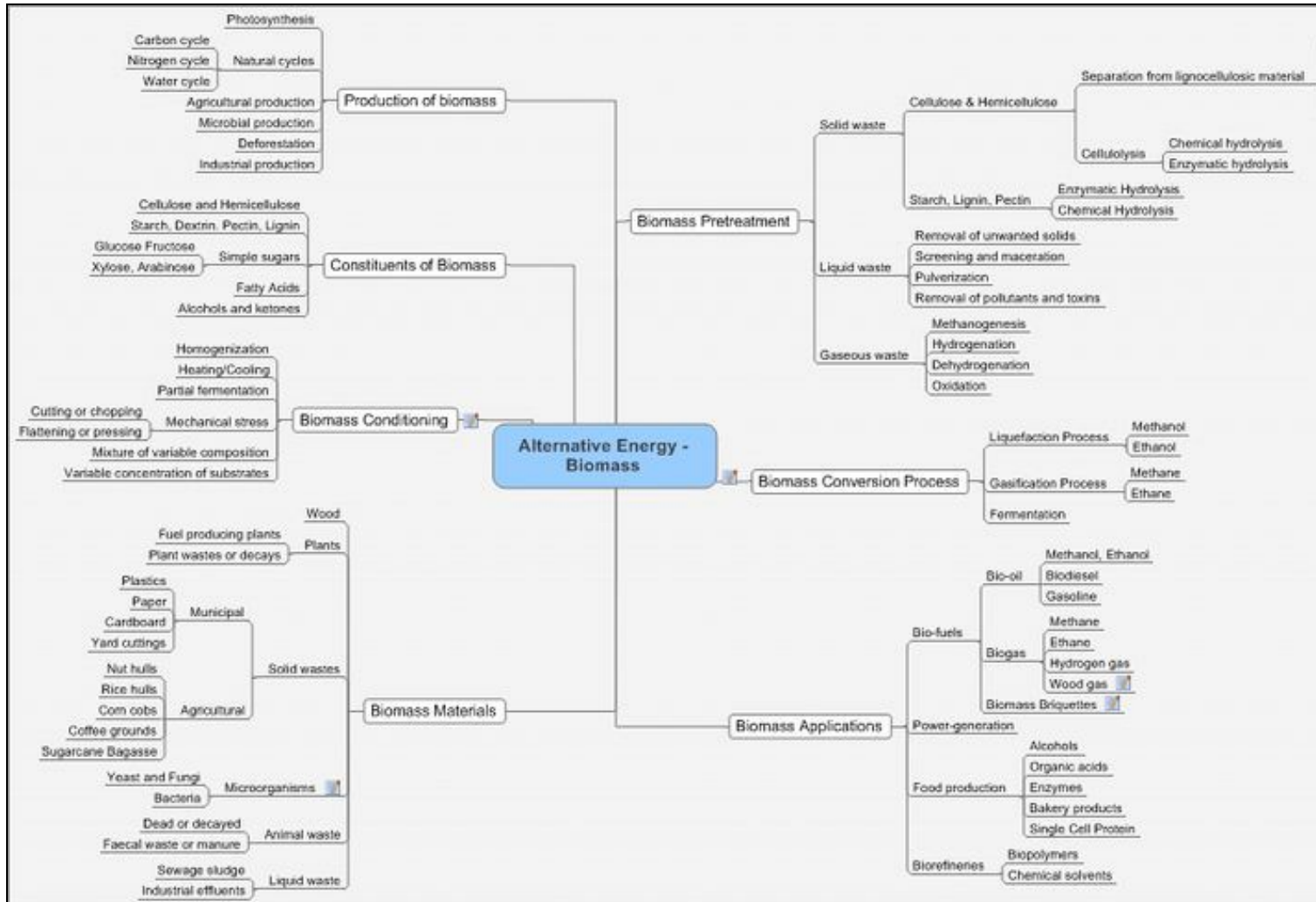
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

Such detailed mapping of patents+technical literature activity to the above categories with the dashboard visualization tool helps companies map the entire technology landscape.

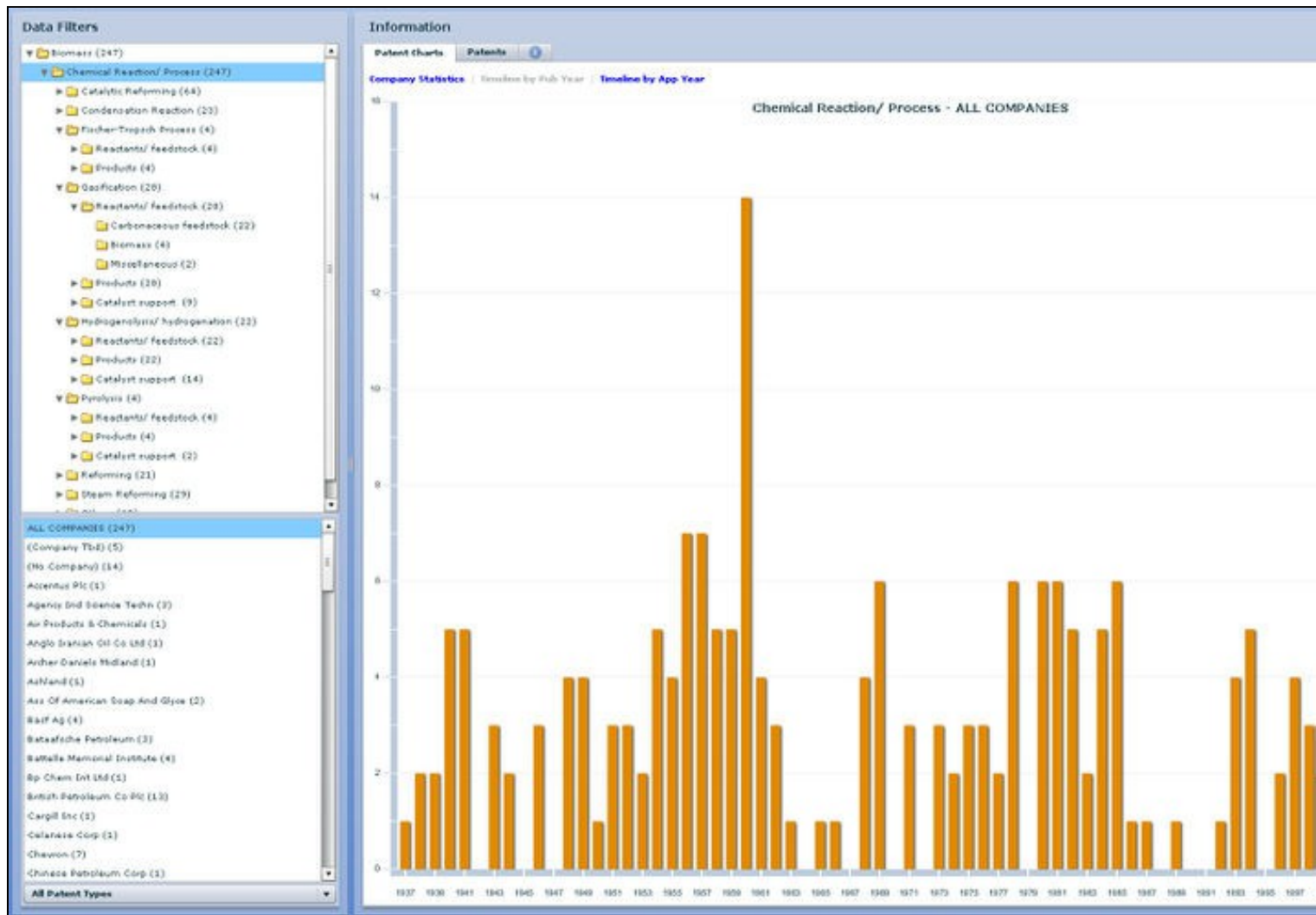
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

Dolcera Innovation process

Step 1 - Detailed customized categorization



Step 2 - Assigning analyzed technical documents to these categories



Step 3 - Deep dive analysis into the technical documents to identify white spaces

- Dashboard Screenshot 2

Data Filters

- Biomass (247)
 - Chemical Reaction/ Process (247)
 - Catalytic Reforming (64)
 - Condensation Reaction (22)
 - Fischer-Tropsch Process (4)
 - Reactants/ Feedstock (4)
 - Products (4)
 - Gasification (20)
 - Reactants/ Feedstock (28)
 - Carbonaceous Feedstock (22)
 - Biomass (4)
 - Miscellaneous (2)
 - Products (20)
 - Catalyst support (9)
 - Hydrogenation/ Hydrogenation (22)
 - Reactants/ Feedstock (22)
 - Products (22)
 - Catalyst support (14)
 - Pyrolysis (4)
 - Reactants/ Feedstock (4)
 - Products (4)
 - Catalyst support (3)
 - Reforming (21)
 - Steam Reforming (29)

Information

Patent Charts Patents

Publication Title

US20050123472A1 Hydrogen production

US5651953A Method of producing hydrogen from biomass

0823101

US5200200

0847934

US20070

EP103160A1

0849021

0849941

US53068

US56168

0876333

W02007

0878278

0880917

0882247

US56168

US64797

US20030

US20050123472A1 Hydrogen production

US Class (p)

IPC Class (p)

Abstract:
Hydrogen is generated by a mixture of feedstocks. The resulting hydrogen is used at an end use.

Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number: **0 103 160 A1**

EUROPEAN PATENT APPLICATION

Application number: EP0306482

Date of filing: 05.08.03

Pub. No.: C 10 G 09/04, C 10 G 11/05 // B01J23/08, B01J29/38

Priority: 02.08.02 US 028200

Date of publication of application: 21.03.04 Bulletin 04/12

Applicant: ARPLAND OIL, INC., P.O. Box 301, St. Louis, Kentucky 40114 (US)

Inventor: Miller, Charles E., 200 Balafoxie Drive, Ashland Kentucky 40007 (US); Weaver, William E., P.O. Box 949F, Ashland Kentucky 40011 (US)

Designated Contracting States: AT BE DE FR GB GR HU IE IT

Catalytic upgrading of reduced crudes and residual oils with a coke selective catalyst.

The present invention is concerned with upgrading reduced crudes and residual oils with a coke selective hydrogen stable zeolite molecular sieve catalyst comprising at least 60 weight percent of alumina and pore width range in an acidic matrix and affecting regeneration thereof in an oxygen lean atmosphere under CO temperature conditions. A composition of zeolite is added to zeolite catalyst. The regeneration of the catalyst is effected to retain up to 8.25 weight percent carbon and heat balance of the operation is limited as a function of metal promoted CO burn within a narrow fluid bed of catalyst being regenerated.

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Contact Dolcera

Samir Raiyani
Email: info@dolcera.com
Phone: +1-650-269-7952