

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:

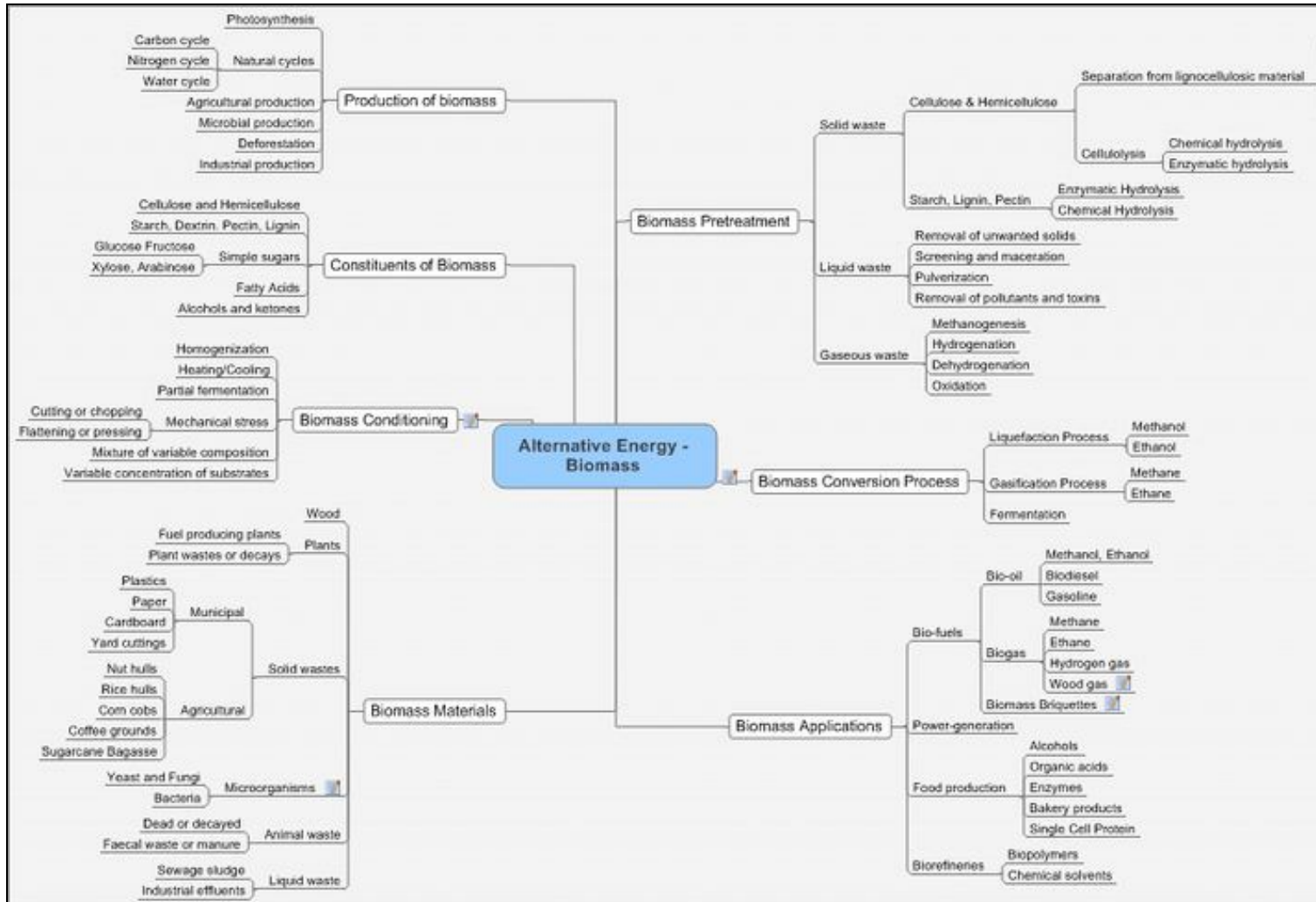
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

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

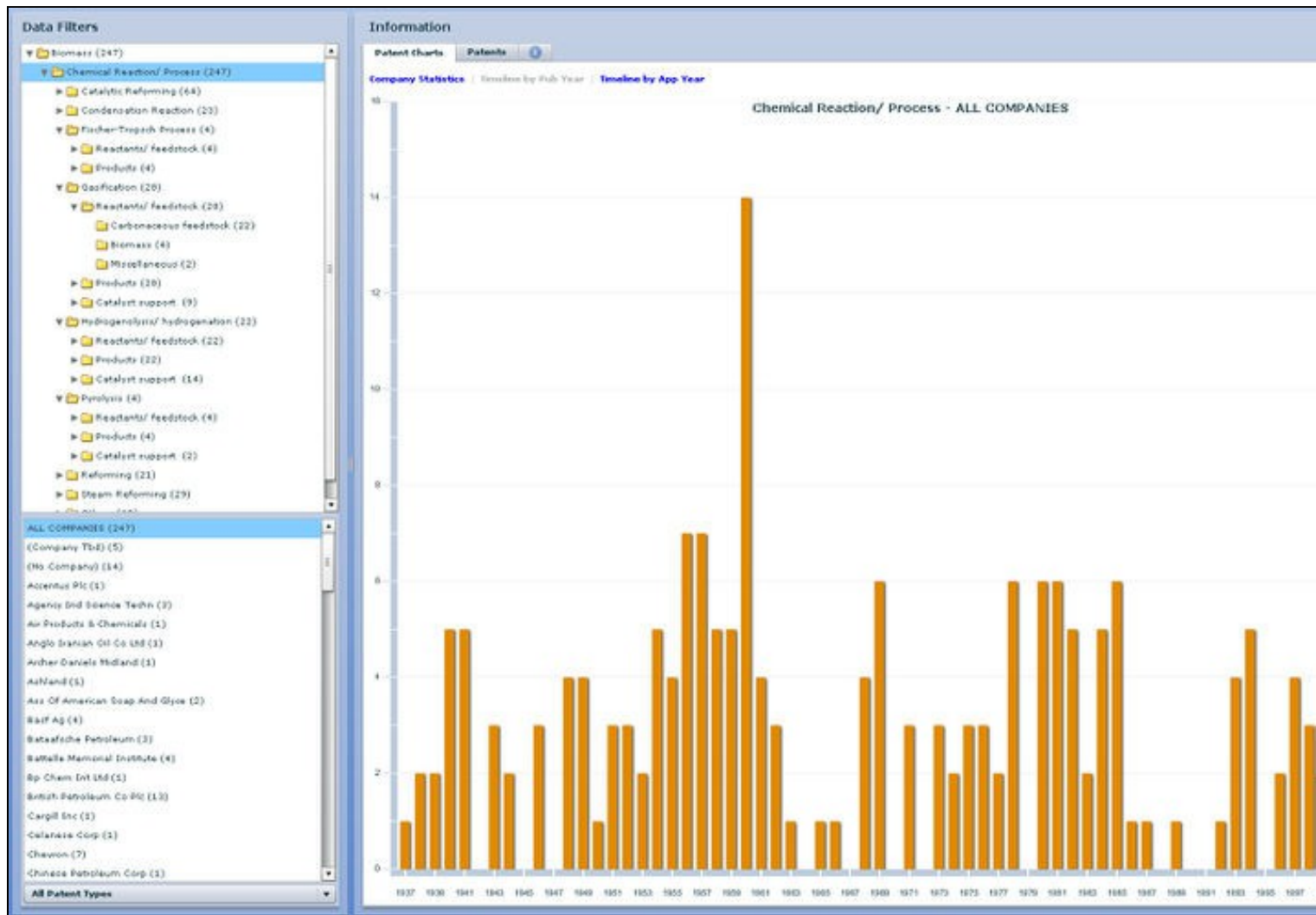
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

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	
US52002	
0847934	
US20070	
EP103160A1	Catalytic upgrading of reduced crudes and residual oils with a coke selective catalyst.
0849021	
0849941	
US53068	
US56168	
0876333	
W02007	
0878278	
0880917	
0882247	
US56161	
US64797	
US20030	

US20050123472A1
Hydrogen production

US Class (p)
IPC Class (p)

Abstract:
Hydrogen is a mixture of... generate one... subjecting the... then to a wa... The resulting... selective oxid... diluting the g... hydrogen ma... used at an of...

Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number: **0 103 160 A1**

EUROPEAN PATENT APPLICATION

Application number: EP030648 Int. Cl. C 10 G 69/04, C 10 G 11/05
// B01J23/08, B01J29/38

Date of filing: 05.08.03

Inventor: 0209.02 06.02070

Applicant: AEP-LAND OIL, INC., P.O. Box 101, St. Louis, Kentucky 40114 (US)

Date of publication of application: 21.03.04
Bulletin 04/13

Priority: 02/09.02 06.02070

IPC Class: C 10 G 69/04, C 10 G 11/05

IPC Class: B01J 23/08, B01J 29/38

IPC Class: C 10 G 69/04, C 10 G 11/05

IPC Class: B01J 23/08, B01J 29/38

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 rich 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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