

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:

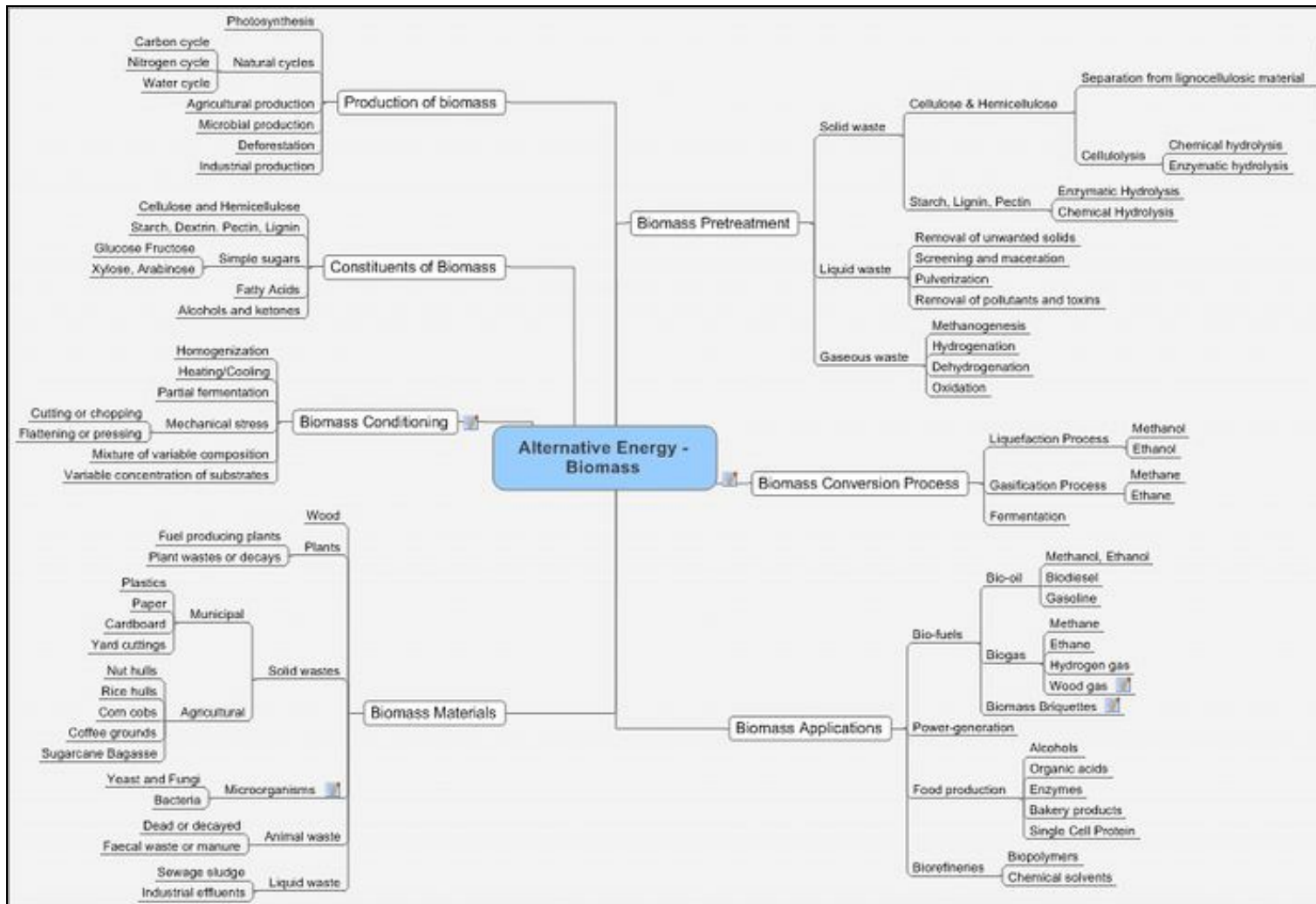
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

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

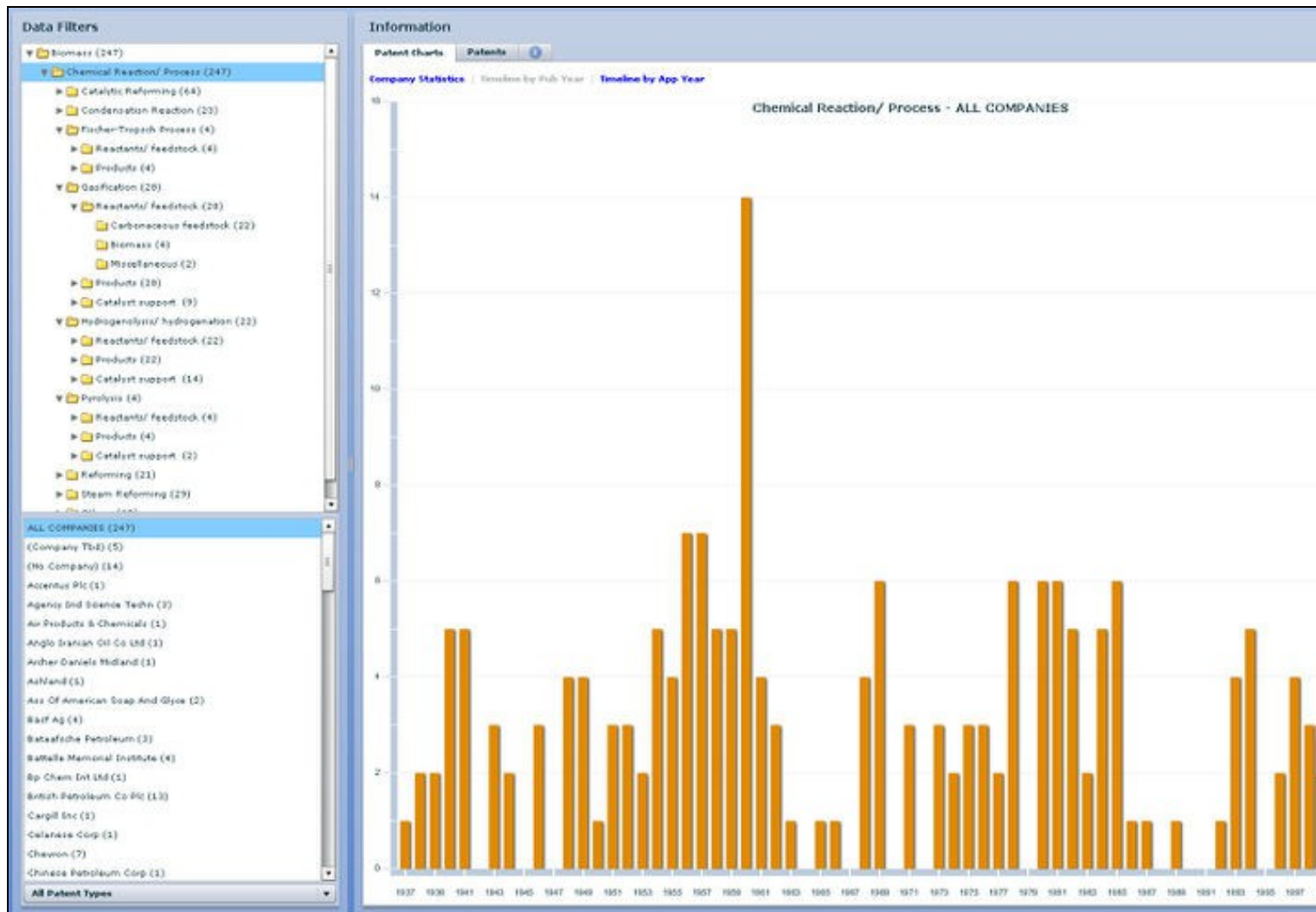
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

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 (23)
 - 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 (2)
 - Reforming (23)
 - Steam Reforming (29)

ALL COMPANIES (247)

- (Company TB-4) (5)
- (No Company) (14)
- Accentus Plc (1)
- Agency Ind Science Techn (3)
- Air Products & Chemicals (1)
- Anglo Iranian Oil Co Ltd (1)
- Archer Daniels Midland (1)
- Ashland (1)
- Aze Of American Soap And Glycer (2)
- Basf Ag (4)
- Bataafsche Petroleum (3)
- Battelle Memorial Institute (4)
- Bp Chem Int Ltd (1)
- British Petroleum Co Plc (13)
- Cargill Inc (2)
- Calanese Corp (1)
- Chevron (7)
- Chinese Petroleum Corp (1)

All Patent Types

Information

Patent Charts

Patents

Publication	Title
US20050123472A1	Hydrogen production
US5651953A	Method of producing hydrogen from biomass
GB23101	
US52020	
GB47934	
US20070	
EP103160A1	Catalytic upgrading of reduced crudes and residual oils with a coke selective catalyst.
GB49021	
GB49941	
US53064	
US56168	
GB76337	
WO2007	
GB78278	
GB80917	
GB82247	
US56161	
US64797	
US20030	

US20050123472A1

Hydrogen production

US Class (p)

IPC Class (p)

Abstract:

Hydrogen is produced from a mixture of feedstocks to generate one or more streams of hydrogen gas. The resulting selective oxidation of the hydrogen gas is used at an end use.

EP 0 103 160 A1

European Patent Office

Office européen des brevets

EUROPEAN PATENT APPLICATION

Application number: EP019648

Inventor: WILSON, Charles B., 201 Bataafsche Straat, Antwerpen 2011, Belgium

Applicant: WILSON, Charles B., 201 Bataafsche Straat, Antwerpen 2011, Belgium

Priority: 02/08/02 US 02/08/02

Date of publication of application: 21/08/02

Designated Contracting States: AT BE DE FR GB IT NL SE

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 hydrogenation catalyst. The catalyst comprises at least 80 weight percent of alumina and silica with metal in an acidic matrix and effecting regeneration thereof in an oxygen rich atmosphere under CO semireactive conditions. A compound or compounds is added to regenerate the catalyst. The regeneration of the catalyst is effected by which up to 8.25 weight percent carbon and heat balance of the operation is limited as a function of metal promoted CO built within a dense fluid bed of catalyst being regenerated.

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