

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:

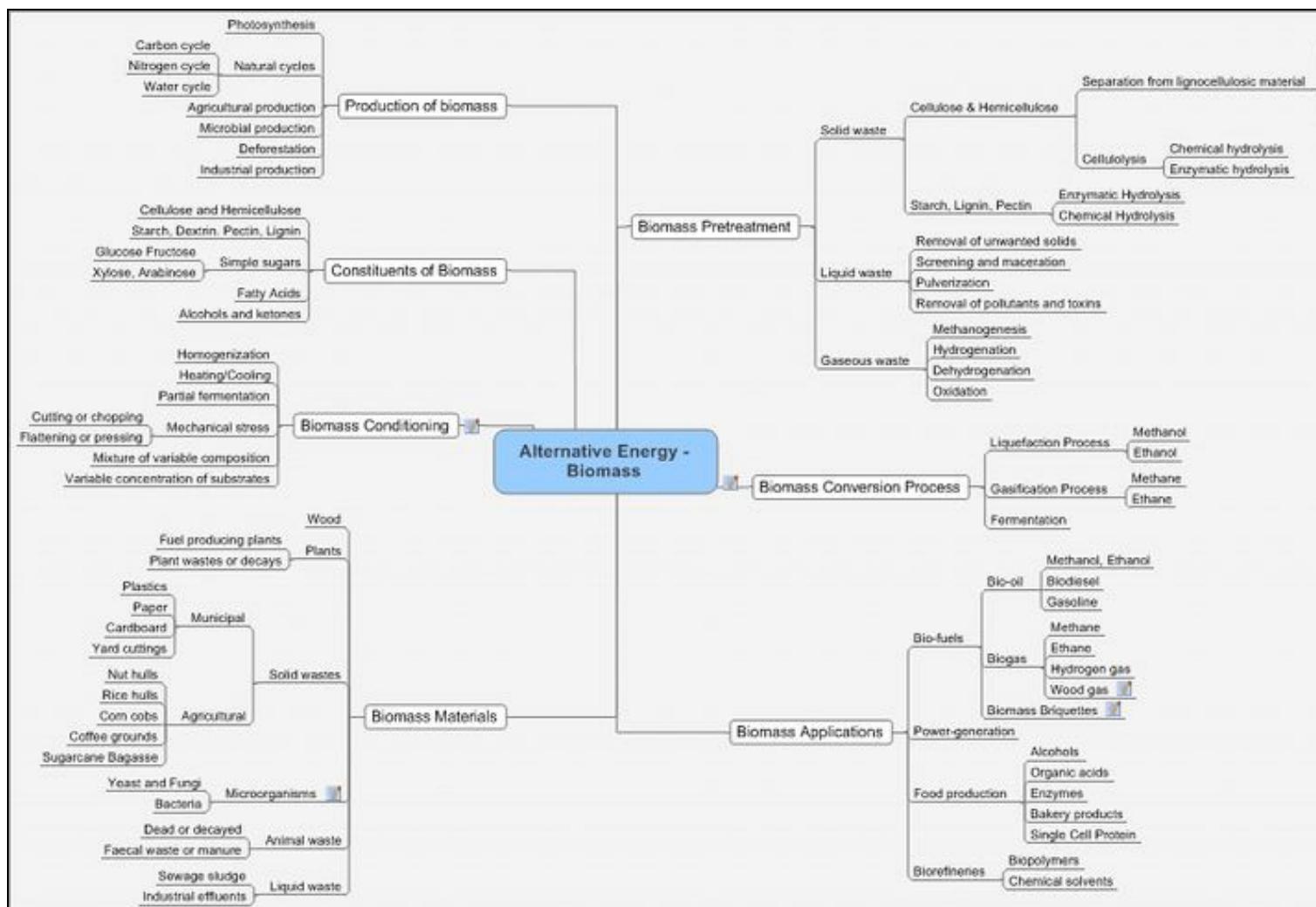
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

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

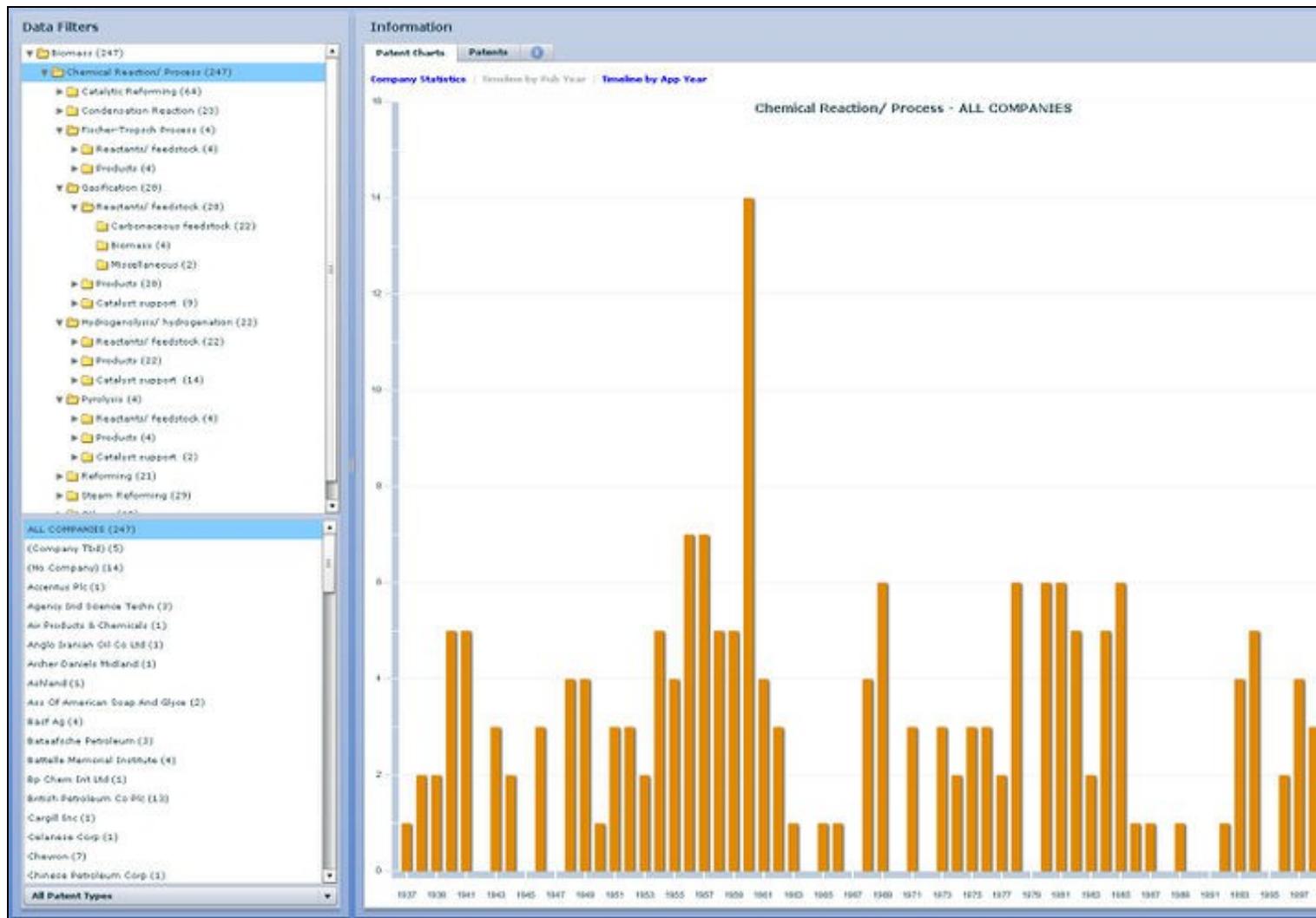
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

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 (44)
 - ↳ Condensation Reaction (21)
 - ↳ Fischer-Tropsich Process (4)
 - ↳ Reactants/ Feedstock (8)
 - ↳ Products (4)
 - ↳ Classification (20)
 - ↳ Reactants/ Feedstock (29)
 - 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 Tbd) (5)
 - (No Company) (14)
 - Accentus Plc (1)
 - Agency Ind Science Techn (3)
 - Air Products & Chemicals (1)
 - Anglo Iranian Oil Co Ltd (3)
 - Archer Daniels Midland (1)
 - Ashland (1)
 - Ax Of Americas Soap And Grease (2)
 - Baif Ag (4)
 - Bataafsche Petroleum (1)
 - Battelle Memorial Institute (4)
 - Bo. Chem Int Ltd (3)
 - British Petroleum Co Plc (15)
 - Carroll Inc (2)
 - Celanese Corp (1)
 - Chevron (7)
 - Chinese Petroleum Corp (1)
- All Patent Types

Information

Patent Charts Patents

Patent Title

US20050123472A1 Hydrogen production
US5651953A Method of producing hydrogen from biomass
GB2310...
USS2020...
GB4793...
US20070...
EP103160A1 Catalytic upgrading of reduced crudes and residual oils with a coke selective catalyst.
GB49021...
GB49941...
USS3064...
USS5168...
GB76331...
WO2007...
GB78278...
GB80917...
GB82247...
US56161...
US64797...
US20030...
US2005012...
Hydrogen pr...

Europäisches Patentamt
European Patent Office
Office européen des brevets

EP 0 103 160 A1

EUROPEAN PATENT APPLICATION

Priority: 02/04/02 16/03/02
Application number: 02079448
Date of filing: 08/08/02

Priority: 02/04/02 16/03/02
Applicant: ASHLAND OIL, INC., R.C. Wilcox, Jr., P.O. Box 291, St. Louis, Ashland Kentucky 41114-2910
Inventor: Wilcox, Charles B., 201 Belvedere Drive, Ashland Kentucky 41101-2910
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Designated Contracting States: AT, BE, DE, FR, GR, IE, IT, NL, PT, SE
Patentee: Braus, Michael, Dr. Ing. et al., a/k/a Braus & Scott Reuterstrasse 5, 5-0000 Wels/01 (01)

Abstract:
Hydrogen is a mixture of gases generated on subjecting the same to a water. The resulting selective oxidation of the water is diluted by the hydrogen gas used at an oil.

EP 0 103 160 A1

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

The present invention is concerned with a catalytic upgrading process for reduced crudes and residual oils, with a particular reference to the upgrading of reduced crudes and residual oils comprising of less than 10 weight percent of aliphatic and non-aromatic hydrocarbons in an aromatic ring and more than 90 weight percent of aromatic hydrocarbons, and particularly to the upgrading of reduced crudes and residual oils under 400 bar pressure. A compound or mixture is added to provide initial upgrading. The regeneration of the catalyst is effected to regenerate the 14.825 weight percent of the catalyst used in the upgrading of the reduced crudes and residual oils as a function of initial upgrading. The upgrading of the reduced crudes and residual oils is carried out with a dense fluid bed of catalyst being regenerated.

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