

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:

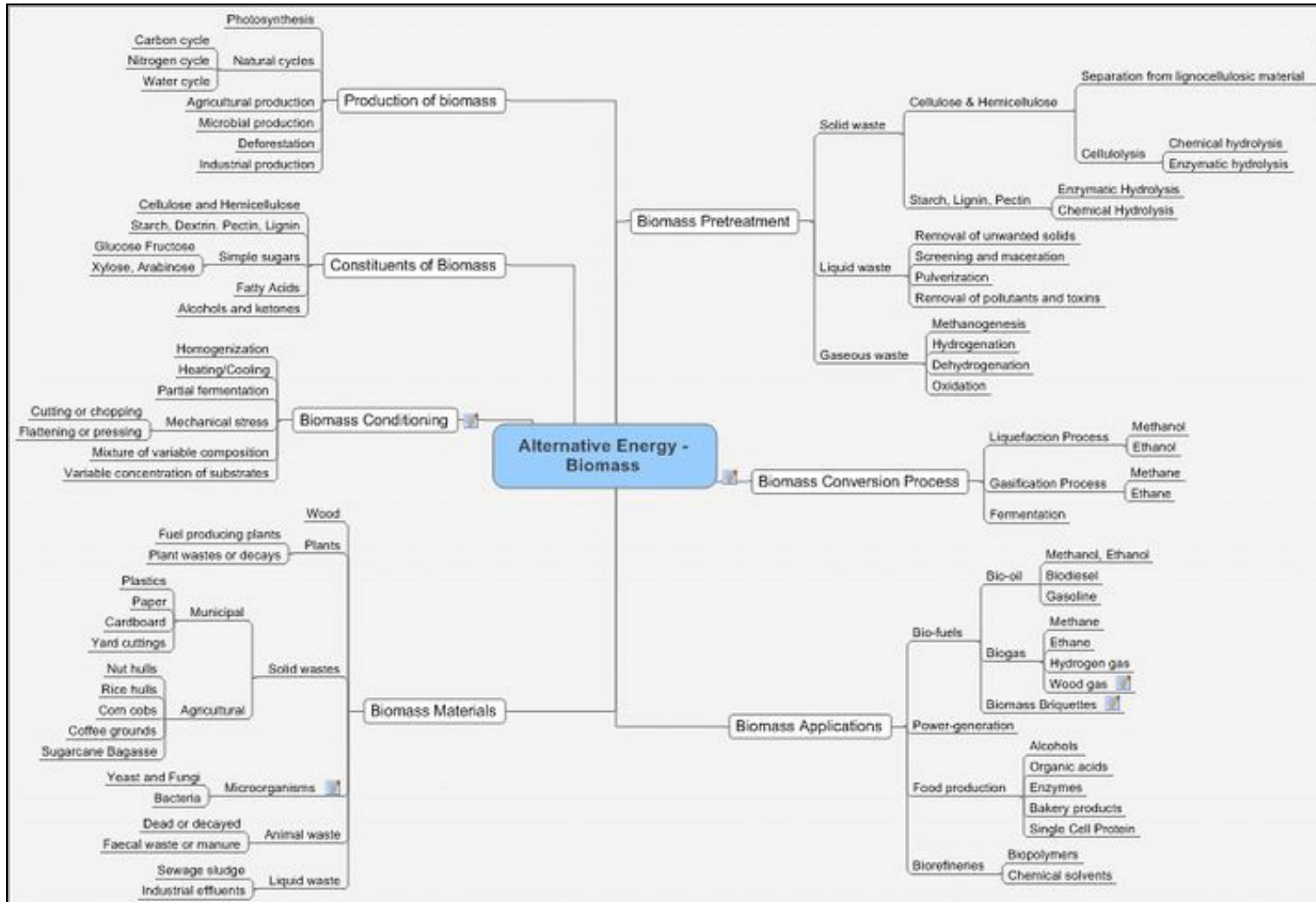
- Various feedstock
- Pre-treatment methods for feedstock
- A variety of enzymes, bacteria, fungi, yeast or a modified version of any of these that feed on feedstock
- Output or products that are obtained when the enzymes or bacteria or fungi or yeast feed on these feedstock.

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

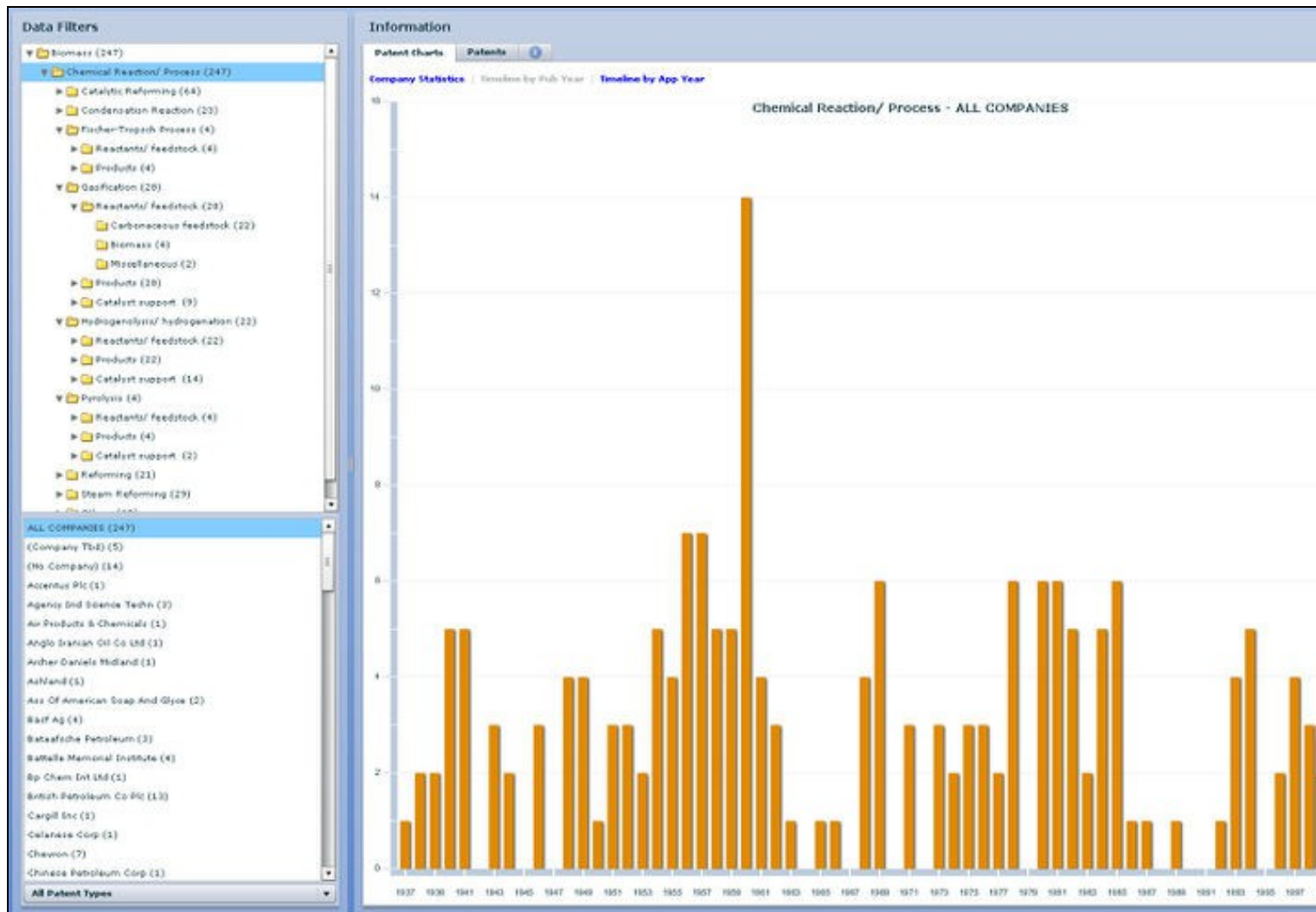
We believe that this process of mapping the technology landscape for biotechnology, albeit customized for your needs, helps companies identify white spaces that they can potentially exploit for research or patenting opportunities.

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 by a mixture of catalysts generating one subjecting the mixture to a water shift reaction. The resulting selective product is then diluted with the hydrogen produced at an

European Patent Office

Office européen des brevets

Publication number

0 103 160 A1

EUROPEAN PATENT APPLICATION

Application number

00000000

IPC Class

C 10 G 69/04, C 10 G 11/05

Date of filing

05.08.02

Priority

02.08.02 US 020070

Date of publication of application

21.08.04

Destination Contracting States

AT BE DE FR GB IT NL SE

Applicant

ASHLAND OIL, INC., P.O. Box 101, Ashland Kentucky 41114 (US)

Inventor

WILLIAMS, Charles B., 200 Salsburg Drive, Ashland Kentucky 41117 (US)

Representative

WILLIAMS, Roy G., P.O. Box 101, Ashland Kentucky 41117 (US)

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 60 weight percent of alumina and 40 weight percent of a metal. The catalyst is used in a reactor to upgrade reduced crudes and residual oils. The catalyst is regenerated by a process which involves the use of a hydrogen gas stream. The catalyst is used in a reactor to upgrade reduced crudes and residual oils. The catalyst is regenerated by a process which involves the use of a hydrogen gas stream.

0 103 160 A1

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Contact Dolcera

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