

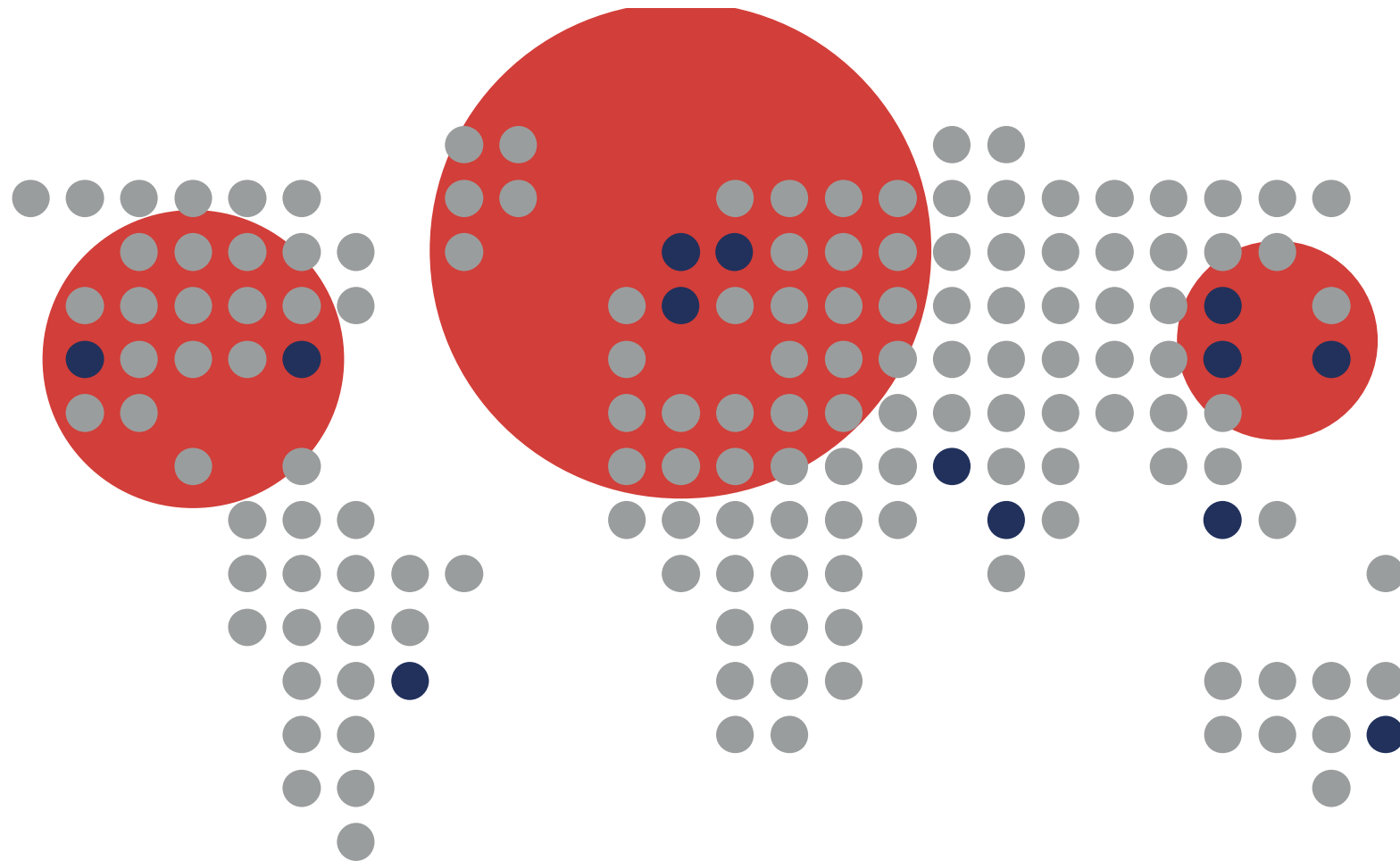


# Chemical Annotation of Patents using Intellixir with Chemaxon

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September, 2016

# Questel

 170



1970  
France Telecom

2001  
Spin-Off

2007  
1<sup>st</sup> LBO

2015  
2<sup>nd</sup> LBO



Covering intellectual property Needs across the innovation lifecycle.

## HOW



Software



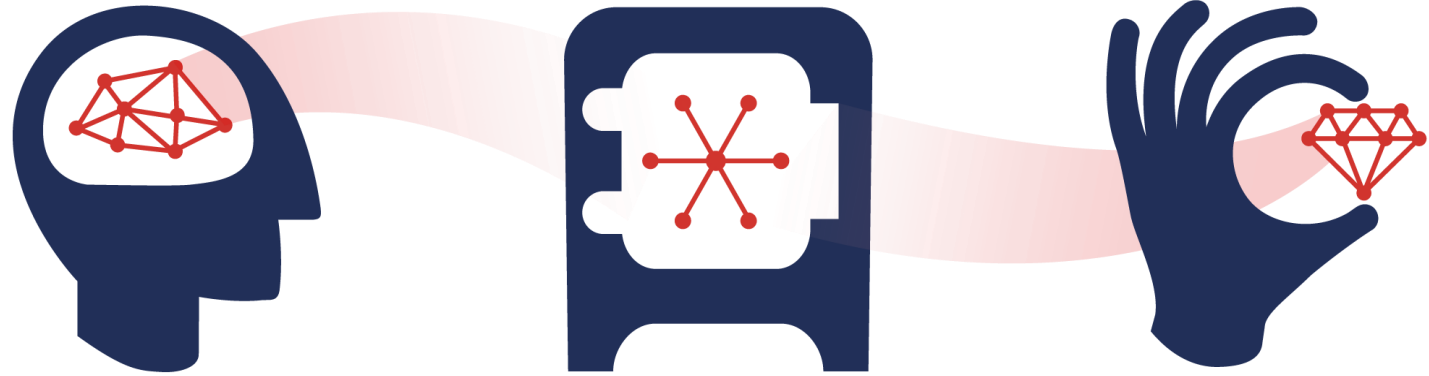
Consulting



eLearning



## WHAT



Invention

Protection

Asset

## WHEN

**Research &  
development**

**Product  
development**

**Market  
development**

# Turn insight into action

## Software



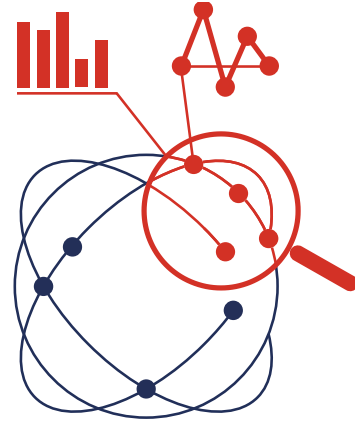
Software



Consulting

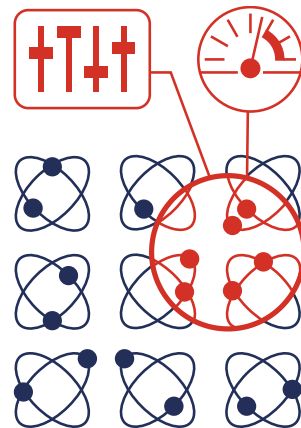


eLearning



## Search & Analyze

Intellectual Property  
Business Intelligence



## Manage

Intellectual Asset  
Management

# Bring Intellectual property to the board



Software



Consulting



eLearning

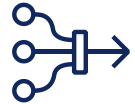


## Consulting

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Competitive Intelligence



IP Strategy



Prior Art

## eLearning

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Corporate Solutions



Custom Training

# Solid experience in Chemistry



Software



Consulting



eLearning



## Merged Markush Service (MMS)

- Sources: WPIM & MPharm
- Producers: Derwent & French PTO
- Based on the DARC system
- Online in 1986 and still available

# Why Questel partners with Chemaxon



Software



Consulting



eLearning



- Performance & flexible solutions
- Complementarity (data, solutions, people)
- Expertise in chemistry, patents & analysis
- Reputation

# Questel – Chemaxon Partnership



Software



Consulting



eLearning



- Chemical Structure Display
- Chemical Indexing
- Structure Searching

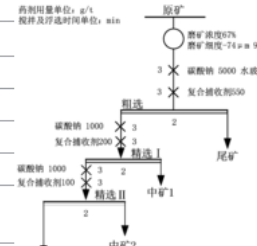


## Chemical Structure Display

Surfactants - Orbit : Show documents

### Bauxite direct flotation composite collector and application method thereof

Date: 2014  
 Patent Number: CN104148191 A  
 Priority number: CN20140380611  
 Representative patent: CN104148191 A  
 Authors: Cao Xuefeng, Hu Yuehua, Sun Wei, Gao Jiande, Huang Hongjun, Zhu Yiyang  
 Affiliations: CENTRAL SOUTH UNIVERSITY  
 Short Affiliations: CENTRAL SOUTH UNIV  
 Descriptors: Flotation, Flotation agent, Macromolecular, Collector  
 IPC: B03D1/016, B03D101/02

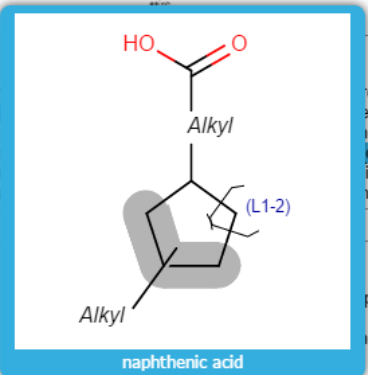


**Abstract:** The invention discloses a collector for bauxite direct flotation desil collector. The collector is characterized by comprising the chemical component organosilicon surfactant, a polyoxyethylene ether surfactant and a mining foar of the monocarboxyl fatty acid, the organosilicon surfactant, the polyoxyethyl 70-80%, 5-10%, 5-10% and 10-20% respectively. The collector has the obvious collecting ability, the dispersing performance of the fatty acid collector is improved, the recovery of aluminum oxide is improved, and the use of not conducting desliming, the flotation effect of diasporite bauxite with a medium

**Family:** 67936482 Num doc (Internal doc ID): 2

**Claims (0):**  
 Claims machine translated from Chinese  
 1. Kinds of bauxite floatation process collectors, its characteristic lies, single cycloalkanes that for industry in synthesized Acid and organosilicon surface active agent and polyethyleneoxide ether class agent complex thing, its complex quality percentage The ratio is 70-80%, 5-10%, 5-10% and 10-20%;

The single carboxyl group fatty acid or the single carboxyl group naphthenic acid that stated had the following structure: And R represents 12-17 carbon atom compositions the alkyl radicals, or R is 6-10 carbon atoms naphthenic base;



document: 1/235

Cloud | Related documents | Experts comments | Categorization

Custom fields

sft_Applications	Emulsion; Flotation; Biocides;
sft_Potential_cp	Fatty acid; Ore;
sft_Surfactant_Types	



Available soon

# Questel – Chemaxon Partnership

## Chemical Indexing & Structure Searching

### Features

- Chemical Structures detected in patents, scientific pub...
- Records categorization based on Chemical Structures & Sub-Structures



Intellixir



Orbit

### Key benefits

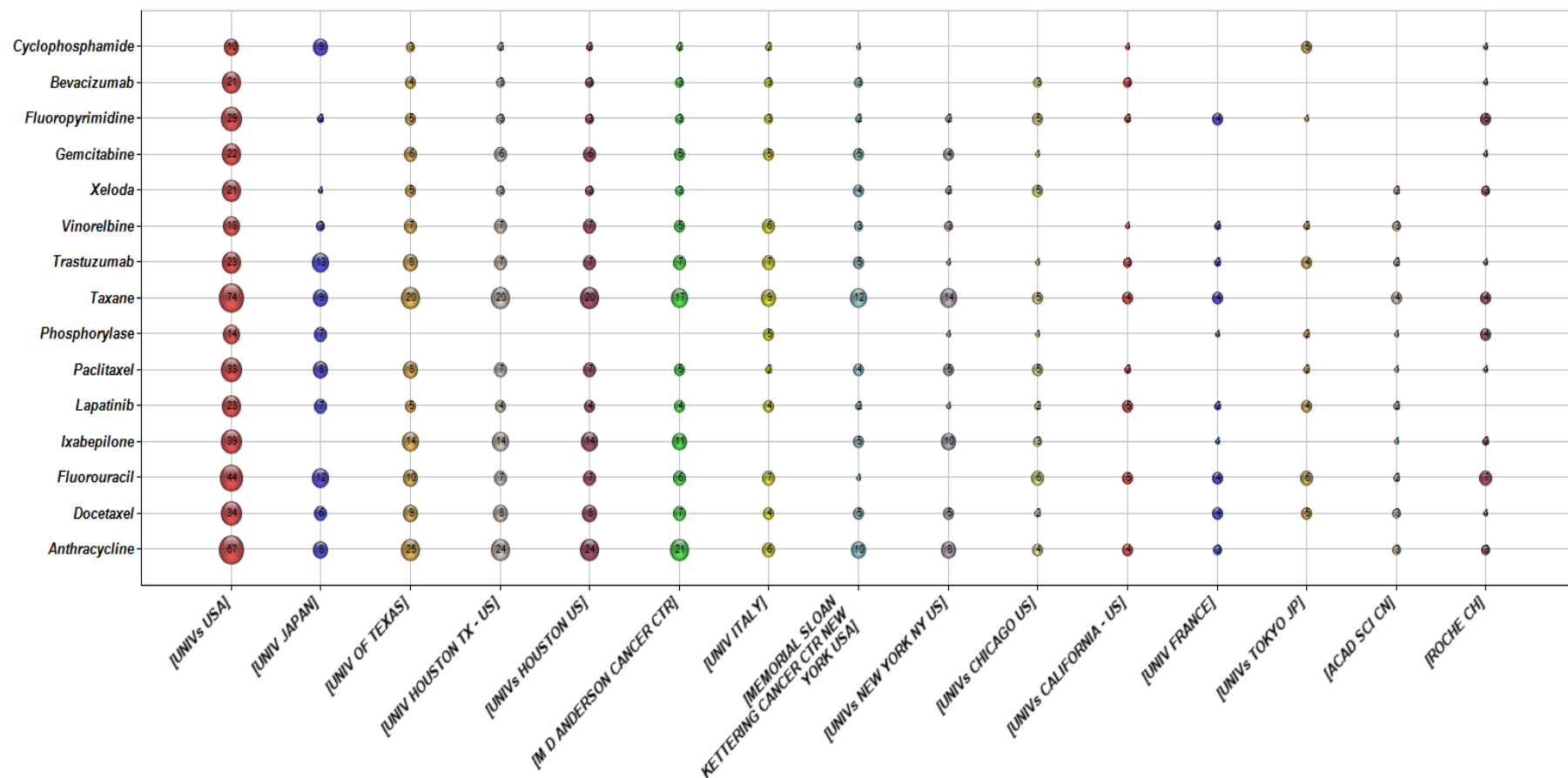
- Process all sources including internal documents
- Produce landscapes based on Chemical Structures & Sub-Structures



Q3 2016

# Questel – Chemaxon Partnership

## Chemical Indexing & Structure Searching



Intellixir



Orbit



# Questel – Chemaxon Partnership

## Chemical Indexing & Structure Searching

### Features

- Chemical Structures detected in Patents from 100+ PTO
- Normalized chemical names included in patents and used in similarity search

### Key benefits

- Detect chemical products among 90 million patents
- Search efficiently thanks to chemical name normalization
- Fast track updating



Intellixir



Orbit



Q1-Q2 2017