

# Questel

## Orbit IAM Collaborative Invention-to-Filing



Orbit Invention

Questel, March 2021

About

## Orbit IAM Process

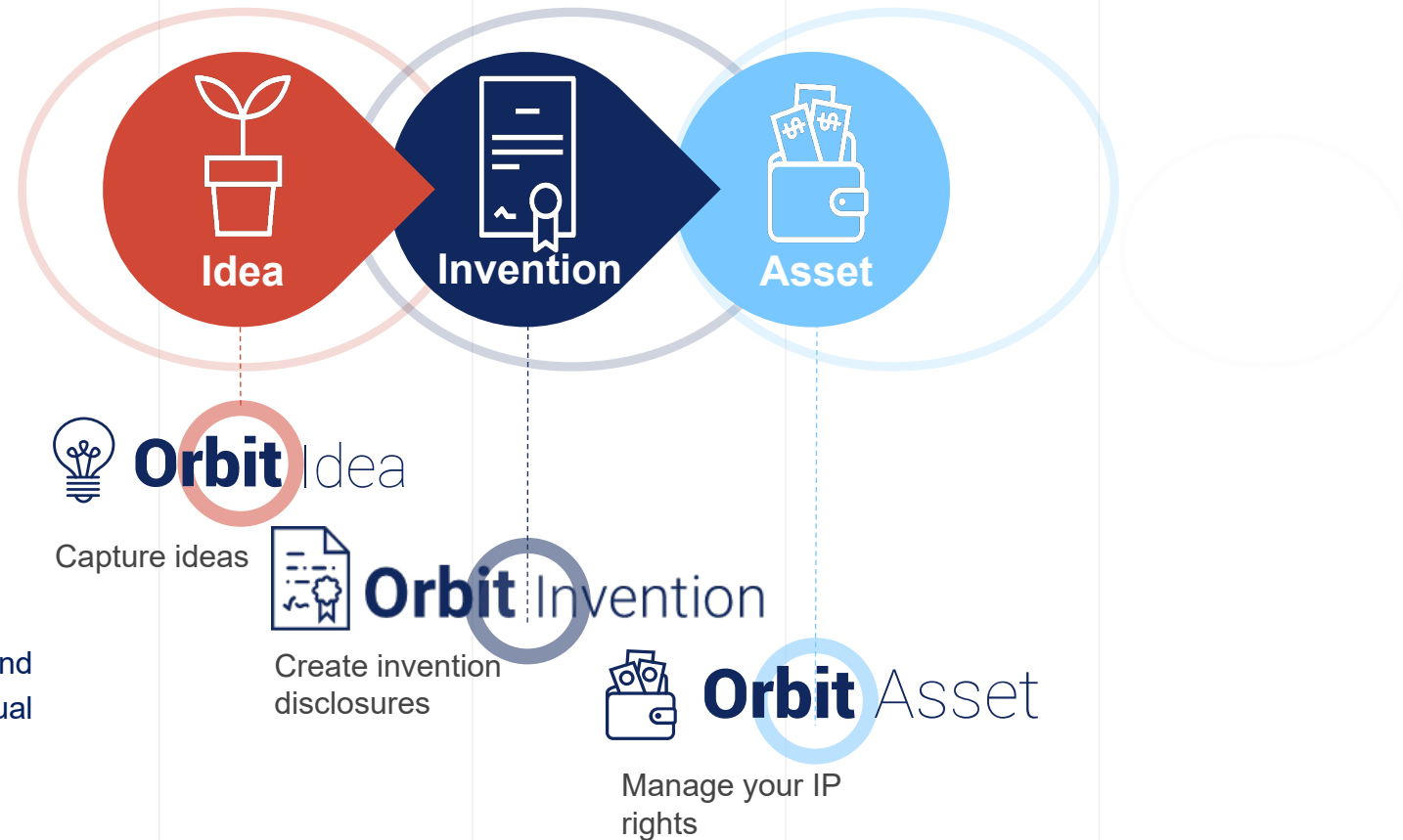
Orbit Invention is a Web based collaborative platform to manage inventions and accelerate the process to make decisions and generate IP Assets.

Orbit Invention allows:

- Engage your inventors
- Simplify your invention-to-filing process
- Strengthen & speed up innovation
- Get strategic information very fast
- Minimize idea-to-asset turnaround time

This solution is fully integrated in our end-to-end integrated IP solutions, from the idea to the intellectual property asset:

**Questel**

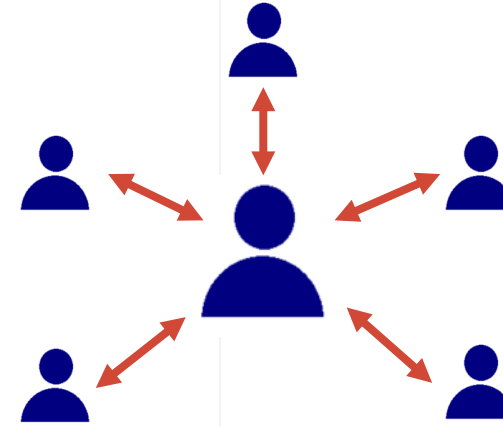




## Orbit Invention

Customised workflow fitting  
your organisational needs  
and habits

Invention →



↔ Patent  
application

↔ Defensive  
Publication

↔ Trade  
Secret



Submit



Assess



Decide



# Orbit Invention

## Invention Programs- Ease to use

Overview of existing programs and inventions.

Programs help assign an invention to a specific project.

Overview of other inventors.

Questel

The screenshot shows the Orbit Invention web application interface. Red arrows point to various features:

- Current Programs**: Points to the 'Current Programs' tab in the top navigation bar.
- Inventions managed by user**: Points to the 'Inventions I manage' tab in the top navigation bar.
- Users' Inventions**: Points to the 'My inventions' tab in the top navigation bar.
- Company news**: Points to the 'News' tab in the top navigation bar.
- Search inventions**: Points to the search bar in the top right corner.
- Create new invention**: Points to the 'New invention' button at the bottom right.
- View top users or most watched inventions**: Points to the 'Most watched inventions' section on the right side.

The main content area displays a featured invention titled "Vehicle detection without loop ground or gantry road" with 7 invention(s) and 2 member(s). It includes an image of a car on a road and a detailed description of the research solution. Below the description are guidelines for inventors.

The right sidebar shows a list of top users with their names and scores (all 0):

- Mike Kansas
- William Texas
- Thomas Maryland
- Customer Admin (Questel)
- Sam Ohio

The 'Most watched inventions' section lists two inventions:

- Parking assistant method and system for sensing an obstacle
- Composite-image parking-assistant system



# Orbit Invention

## Invention Programs- Collect Invention disclosures

Create programs to ensure better alignment of disclosures with internal setup and IP Goals.

Assign manager

Set duration of program

Add inventors & automatically inform them

Questel

### New program

**\* Mandatory fields**

**Title\*** Identify new eco battery materials for electric cars

**Description**

Extension of the battery department. A great need for better materials that are more environmentally friendly

**Program manager\*** Mike Kansas  
Search

**Visibility level** Public

**Period** Start date\* 5/1/18 - End date

**Natures/Container\*** Invention  
☒ Invention

**Domain(s)\*** ☒ Orbit Invention

**Perimeter** + Add a perimeter  
No perimeter defined

**Participants** + Add a participant

First name	Last name
Mike	Kansas
Thomas	Maryland

☐ Inform participants by e-mail



# Orbit Invention

## Invention Programs- Collect Invention disclosures

Add new inventions.

Add title and linked program.

**Add  
co-authors**

**Assistance  
to setup  
invention**




**Questel**

### New invention

Invention picture

\*Mandatory fields

✖ Remove picture



Title of the Invention\*

Reduce energy consumption of electric vehicles

Program

Vehicle detection without loop ground or gantry road

Author

Mike Kansas  
Entity: R&D Department (If you want the item to be processed by a different service)

Co-author(s)

Thomas Maryland ✖ , Mary Montana ✖  
[Add a co-author](#)

Description \*

Describe in details the content, purpose and goal of your invention disclosure.

Usage ?

Novelty ?

Advantages ?

Competitor use ?



# Orbit Invention

## Invention Programs- Collect Invention disclosures

Add new inventions easily.

Add title and linked program.

Tooltips to help inventors complete form.

Add new invention



Home > New invention


[New invention](#)  
[New program](#)

Save Cancel

### New invention

**\*Mandatory fields**

**Invention picture** ✗ Remove picture




**Title of the Invention \***

**Program** [Link item to a program](#)

**Author** Mike Kansas  
**Entity:** R&D Department (If you want the item to be processed by a different service)

**Co-author(s)**  ,   
[Add a co-author](#)

**Description \***  Describe in details the content, purpose and goal of your invention disclosure.



# Orbit Invention

## Invention Programs- Collect Invention disclosures

Automatic prior art search based on concept semantics.

The key words of your invention are the basis of the semantic search

### Reduce energy consumption of electric vehicles

Progress	Validation	Drafting	Finalized
Submission	Review	Filing	
7/30/18			
Program(s)	Identify new source of power supply for the VARIO 2 project		
Item created on	7/30/18		
Last modification on	7/30/18		
Author	Mike Kansas		
Co-authors	Thomas Maryland		
Workflow owner	Mike Kansas		

Submission Q&A History Similar Inventions **Similar Patents** Patent Search

These patents are the ones selected as being similar to this idea or invention.

Similar patents search

Add patent(s)

Export PDF

Real-time system and method for tracking, locating and recharging electric vehicles in transit

NATION The present invention provides computer-controlled electric battery charging systems and methods for charging a battery (128) of a roaming electric vehicle (128), a master charger vehicle (120) in communication with the at least one electric vehicle (120), wherein

#### SIMILAR PATENT SEARCH

#### Potentially relevant patents

These patents have been found based on the concepts you selected on the previous page.  
Select patents which are similar to your invention disclosure.  
Check all | Uncheck all

<input type="checkbox"/>	Intelligent electric vehicle charging system	[show abstract]	WO201319989
	UNIVERSITY OF CALIFORNIA		
<input type="checkbox"/>	Secure wireless energy transfer in medical applications	[show abstract]	US9106203
	WITRICITY		
<input type="checkbox"/>	Enhanced E-car charging equipment	[show abstract]	EP2420401
	ALCATEL LUCENT		
<input type="checkbox"/>	Systems and methods for automatic connection and charging of an electric vehicle at a charging station	[show abstract]	CN103038975B
	PROTERRA		
<input type="checkbox"/>	Navigation device displaying charge information, and vehicle equipped with device	[show abstract]	
	AISIN AW TOYOTA MOTOR		
<input type="checkbox"/>	Apparatus and system for charging a battery	[show abstract]	
	AUCKLAND UNISERVICES		
<input type="checkbox"/>	Fuel filler cap	[show abstract]	
	BARRY COLIN BROWN BROWN BARRY COLIN COLIN BROWN BARRY		
<input checked="" type="checkbox"/>	Power control system	[show abstract]	JP 6055243
	PANASONIC PANASONIC ELECTRIC INDUSTRY PANASONIC INTELLECTUAL PROPERTY MANAGEMENT		

PROBLEM TO BE SOLVED: To provide a power control system, power control method, power control apparatus, and power control program, capable of efficiently performing power supply into an electrical apparatus and charging into an electric vehicle.SOLUTION: The power control apparatus (16) includes: a second communication section (14) that receives charging information about charging of an on-vehicle battery (23) transmitted from an electric vehicle (2) before the electric vehicle (2) reaches a place for supplying electric power to the electric vehicle (2), and a control determination section (11) that determines a start time for performing power supply into an electric hot-water supply apparatus (1) and a start time for performing charging into the on-vehicle battery (23) so that the power supply into the electric hot-water supply apparatus (1) and the charging into the on-vehicle battery (23) are completed by a predetermined time on the basis of charging information.

Read abstract of patent





# Orbit Invention

## Invention Programs- Collect Invention disclosures

Automatic prior art search based on concept semantics.

Questel

### Reduce energy consumption of electric vehicles

Progress	Submission	Validation	Drafting	Finalized
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7/30/18			
Program(s)	Identify new source of power supply for the VARIO 2 project			
Item created on	7/30/18			
Last modification on	7/30/18			
Author	Mike Kansas			
Co-authors	Thomas Maryland			
Workflow owner	Mike Kansas			

Submission	Q&A	History	Similar Inventions	Similar Patents	Patent Search
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To import patent families click Search.

Search

Export PDF

Real-time system and method for tracking, locating and recharging electric vehicles in transit

NATION  
EP2402205

The present invention provides computer-controlled electric battery charging systems and methods for charging a battery (128) of a roaming electric vehicle (120), the system comprising an electric vehicle (120) comprising at least one battery (128), a master charger vehicle (130,150) comprising a master battery module (132,152) and a control system (110) in communication with the at least one electric vehicle (120) and the master charger vehicles (130,150) to enable the master charger vehicles (130,150) to reach the electric vehicle (120), wherein

To import patents, select a list/workfile, or run a search to populate a list/workfile.

Select

Orbit Express

Search

My Projects

Easy Search

Advanced search

Semantic search

Text

Select your option

E.g : keyboard, 'helmet',...

Delete

Title  
Abstract  
Object of invention  
Advantages over prior art drawbacks  
Independent claims

AND

Text

Select your option

E.g : keyboard, 'helmet',...

Delete

Title  
Abstract  
Object of invention  
Advantages over prior art drawbacks  
Independent claims

+ Add criterion

Help

Search

Use Orbit Express search module to do a prior-art search



# Orbit Invention

Invention Workflow- Ask  
Questions & Obtain  
Feedback

Questel

Print Export Send

Reduce energy consumption of electric vehicles

Progress

Submission 7/30/18

Validation

Review

Drafting

Filing

Finalized

I want to ▾

Edit Invention

Move to Validation

Decline Invention

Ask a question

Print

**New task**

\* Mandatory fields

Type\*  
Expertise

SEND TO\*  
Thomas Maryland Search

Title\*  
Energy conservation in park

Request  
Thomas how can we increase energy conserved when parked but not charging?

Deadline\*  
8/17/18

**Task completion**

Type: Expertise

Requested by:  
Mike Kansas

Assigned to: Thomas Maryland

Title  
Energy conservation in park

Request  
Thomas how can we increase energy conserved when parked but not charging?

Deadline  
8/17/18

Response\*

Do you want to close this task now ?  
☒ Yes ☐ Later

Re-assign task Save Cancel

Mike Kansas

Thomas Maryland

Fill in  
Who/Title/Request/  
Deadline and save



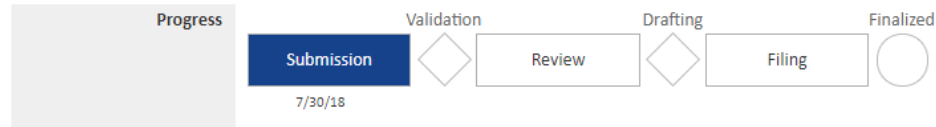
# Orbit Invention

Invention Workflow- Move  
to Different Stage

Questel

Print Export Send

Reduce energy consumption of electric vehicles



I want to v

Edit Invention

Move to Validation

Decline Invention

Ask a question

Print



Mike Kansas

Current Programs

Inventions I manage

My inventions

News



Reduce energy consumption of electric vehicles

7/30/18 - Mike Kansas - Validation

Co-authors : Thomas Maryland



Method  
motor

11/29/13 -

Task completion

Type: Expertise

Requested by:

Mike Kansas

Assigned to: Thomas Maryland

Title

Energy conservation in park

Request

Thomas how can we increase energy conserved when parked but not charging?

Deadline

8/17/18

Response\*

Do you want to close this task now ?

☒ Yes ☐ Later

Re-assign task

Save

Cancel



Manager



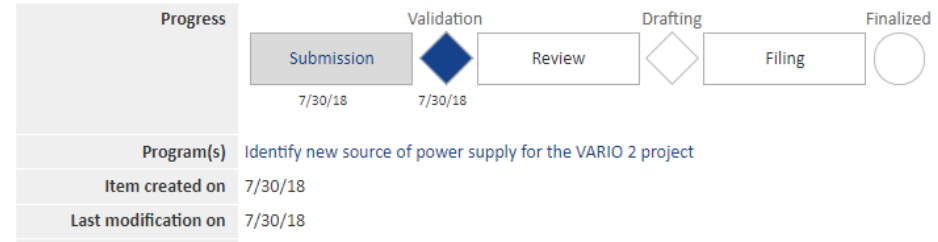
# Orbit Invention

## Invention Workflow- Invention Scoring and Committe

Make faster and better selection

Print Export Send

Reduce energy consumption of electric vehicles



I want to ▾

Change owner  
Edit Invention  
Back to Submission  
Move to Review  
Decline Invention  
Ask a question  
Print



### Fields to be filled in

Business Impact \* ? Yes ▾

Invention Rating \* ? 3 - Good. ▾

Product line \* Transport ▾

Business Unit \* BU-CSR ▾

Confirm

Cancel

### Fields to be filled in

Select a new owner

Transfer the item to Miles Iowa - IP Specialist ▾

Additional message attached in the email sent to new owner

Confirm

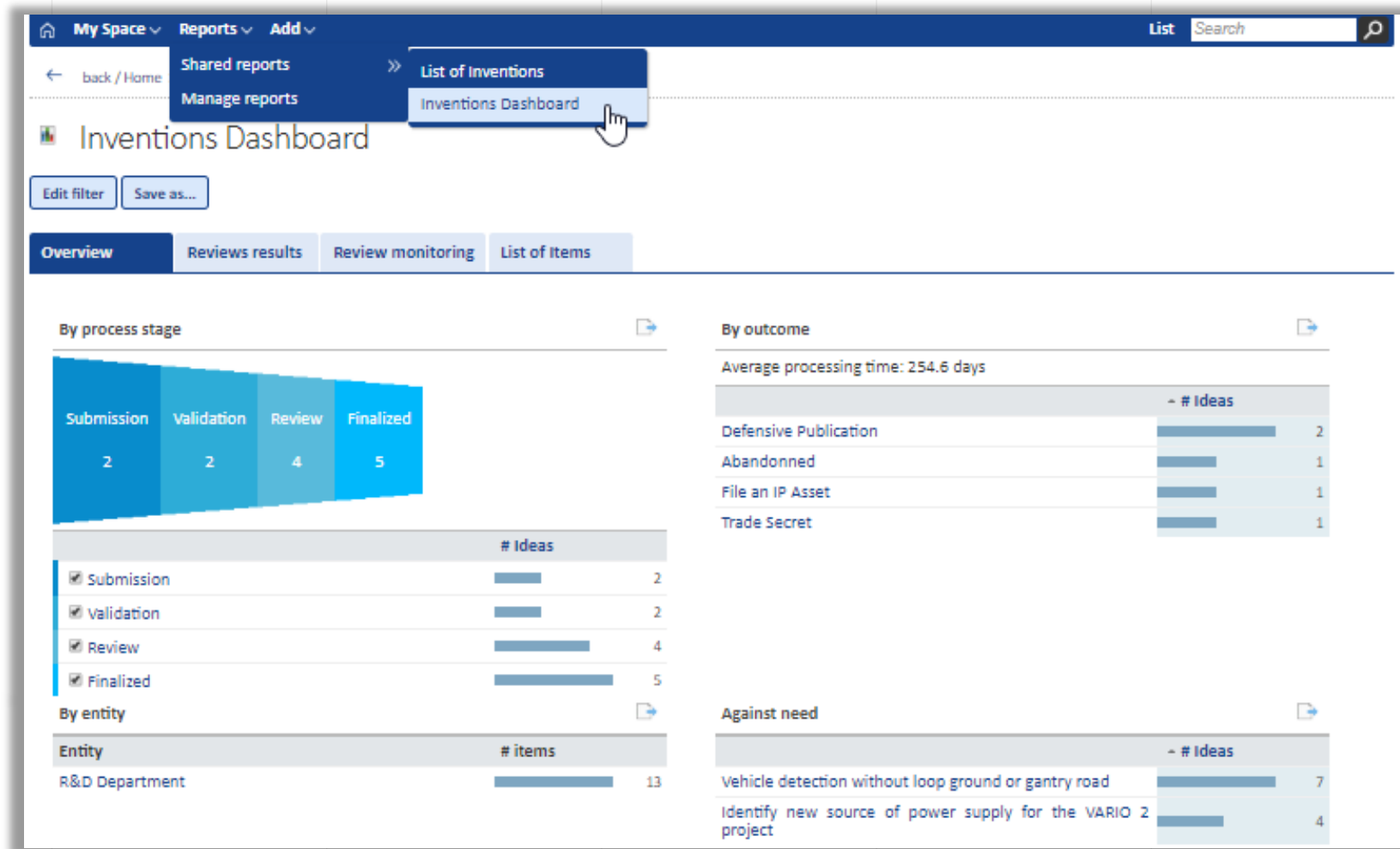
Cancel



# Orbit Invention

## Invention Workflow- Analysis of Inventions

Get business intelligence  
on invention disclosures

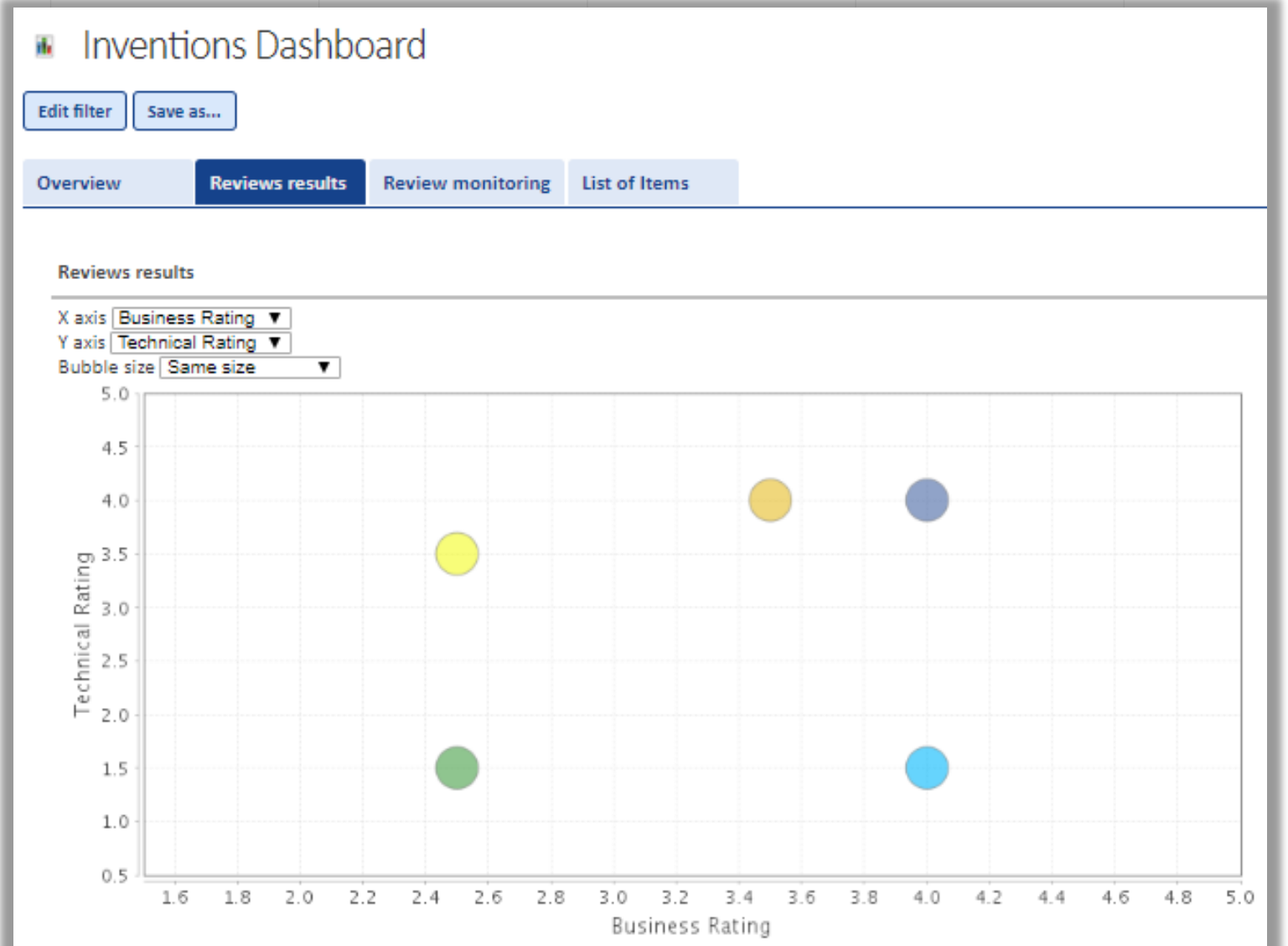




# Orbit Invention

## Invention Workflow- Analysis of Inventions

Graphical view of all the reviews that have been done on inventions.





# Orbit Invention

## Invention to Docketing- Seamless creation of IP Asset

View your filing within Orbit Asset, a  
docketing and financial forecasting tool  
where you can

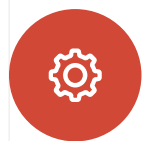
- Structure your portfolio.
- Control and follow-up IP procedures.
- Monitor and forecast your legal obligations and commercial targets.
- Benchmark your portfolio.
- Forecast and follow intellectual property budgets.

The screenshot displays the Orbit Asset web application interface. At the top, there's a navigation bar with 'My Space', 'Reports', and 'Add' menus, along with a search bar. Below this, a breadcrumb trail shows 'back / Home > Description sheet item no.2016-inv-0000043 (Permalink)'. The main content area is titled 'Parking Assistant System for Vehicle'. It features a progress bar with stages: Submission (8/22/16), Review (8/23/16), Drafting (8/23/16), and Filing (8/23/16). A table below the progress bar lists details: Program(s) 'Vehicle detection without loop ground or gantry road', Item created on '8/22/16', Last modification on '8/23/16', Author 'Thomas Maryland', and Workflow owner 'Mary Montana'. A 'Push to Orbit Asset' dialog box is open, showing the title 'Parking Assistant System for all kind of vehicles', Filing number 'US56749986', Filing date '2016-08-23', Type of asset 'Patent Application', and Reference '2016-inv-0000043'. The dialog box includes 'OK' and 'Cancel' buttons. On the right side of the main interface, there are 'Watchers' (0) and 'Comments' (0) sections.

## Key Facts



# Orbit Invention



## Manage Inventions

In an efficient and cost-effective manner through a collaborative workflow.



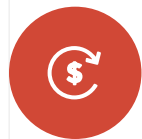
## Increase IP assets

providing a guided way to submit, assess, collaborate, and make decisions



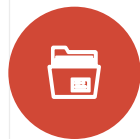
## Insure Alignment

Of inventions with strategic positioning and programs



## Reduce Costs

Of at least -50% to process inventions up to decisions



## Reduce Documents

Used to exchanged between contributors and decision makers



## Reduce Risks

Using similarity search in worldwide patent database





Thank you

# Need more information?

Questions?  
Q&A Session



CONTACT US  
[help@questel.com](mailto:help@questel.com)

Access additional webinars and resources

[www.questel.com/resources/](http://www.questel.com/resources/)

Visit our website

[www.questel.com](http://www.questel.com)

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