

## InnovationQ Plus 一个强大的创新发现与分析平台

整合了来自 IEEE 的深度工程技术文献及来自 IP.com 的全球专利与非专利文档。

依托 IP.com 独有的、基于语义分析的检索引擎, InnovationQ Plus 快速审查海量数据, 高效定位相关专利、专利申请与非专利文献, 并输出业界领先的检索结果。

### 1. 登录方式

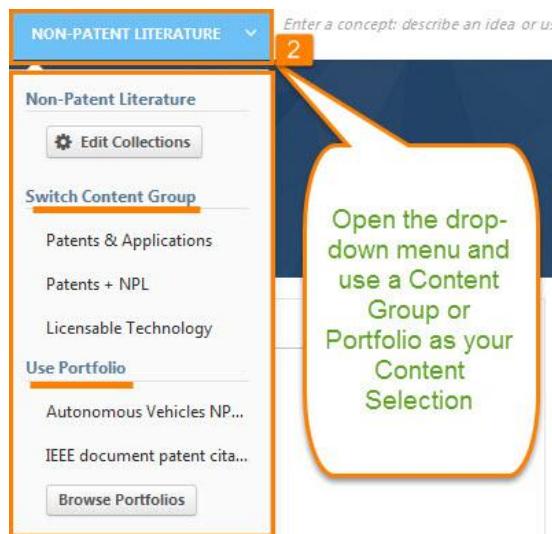
访问 <http://ieee.ip.com>, 输入邮件地址和密码。新用户需要先激活帐号。

### 2. 开始概念检索 (Concept Search)

在首页检索框中输入关键词或段落即可开始检索。InnovationQ Plus 采用基于概念提取的语义检索, 用户无需使用复杂的布尔查询, 只需将检索词或一段文字甚至一篇全文输入提问框。

The screenshot shows the InnovationQ Plus search interface. At the top, there is a navigation bar with the logo, 'Discover', 'Map', and 'Analyze' buttons, and a user icon. Below the navigation bar is a search bar with the placeholder 'Enter a concept: describe an idea or use a patent (use a publication number such as US6331415)'. To the right of the search bar is a magnifying glass icon and an 'Advanced Query' button. The main search area has a blue header 'NON-PATENT LITERATURE' with a dropdown arrow. Below the search bar, a large orange callout box points to the search bar with the text: 'To start searching, select your content source and enter a concept or publication number'. Another callout box on the left side of the search bar points to the 'NON-PATENT LITERATURE' dropdown with the text: 'To start a new search, click on the InnovationQ Plus logo area and select New Query from the sidebar'. At the bottom of the search area, there is a link 'Need help? Visit our Knowledge Base' and a question mark icon. The bottom section of the interface shows 'Recent Queries' and 'Favorite Saved Queries' panels. The 'Recent Queries' panel lists five recent searches with their times and descriptions. A callout box points to the 'CLEAR' button with the text: 'Click Clear to remove the list of recent queries'. Another callout box points to the first query in the list with the text: 'Click the time to restore a recent query'. The 'Favorite Saved Queries' panel lists three saved queries with their names and descriptions. A callout box points to the first query with the text: 'Click on the name to restore a favorite saved query'.

默认检索内容为“Patents&Applications”，如需检索其他内容（Non-Patent Literature, Patents + NPL, Licensable Technology）或在已创建的Portfolio中进行检索，则点击下拉菜单进行切换。



### 3. 开始布尔检索（Boolean Filters）

在首页检索框右下方点击  Advanced Query 可直接开始布尔检索。该检索方式为传统关键词检索，不进行步骤（2）中的语义联想。用户可以指定文献号、CPC 代码、IPC 代码或指定在题目、文摘或权力要求中开始关键词检索。



### 4. 调整检索式（Concept Modifiers & Boolean Filters）

调整检索式，可以点击 Query Editor 进行 1) 概念缩检，输入概念调节词（Add Concept Modifier），选择“More Like Text”或“Less Like Text”，即可调整检索结果；或 2) 布尔缩检，选择对应的布尔字段（Boolean Filters），即可调整检索结果。两者可以单独或组合使用。

Advanced Query Editor

Main Concept & Modifiers

These suspensions have greatly increased the concentration of electrically active material in the solutions, resulting in about a 10-fold increase in energy density (the amount of energy that can be stored in a given volume) and about 2.5 times the power density (the amount

+ Add Concept Modifier More Like Text Conductive Carbon

Boolean Filters

Dates Names References Text Other

Publication Date Current Assignees Document Identifiers Title Enforceability

Application Date Assignees/Applicants Simple Family Numbers Abstract Countries Of Origin

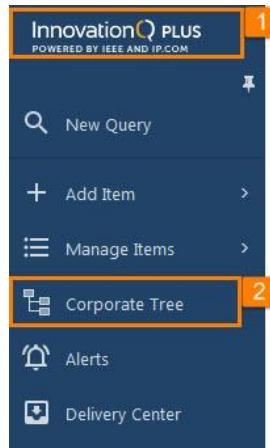
Earliest Priority Date Inventors IPC Codes Description Litigation Status (US)

Examiners Examiners CPC Codes Claims Advanced Syntax

Pin to show available fields

## 5. 公司名称、组织架构信息查询 (Corporate Tree)

InnovationQ Plus整合了来自S&P Global Market Intelligence的业界最完整最权威的公司结构信息库。从Corporate Tree中可以查询基于标准普尔全球市场情报公司的关系数据，收录10万多公司名称演变、组织架构与财务信息。在平台下拉菜单中点击“Corporate Tree”即可开始查询。



Corporate Tree既包含大型上市公司和小型私人企业信息，也收录其并购、收购和子公司信息。其与Current Assigee对接，支持创建更精确更完整的公司专利档案。

Corporate Tree Browser

1 S&P Ultimate Parent

2 find by name or location

3 Child Companies with Patents

4 Options

Child companies include Acquisitions and Operating Subsidiaries

Alphabet Inc.	TYPE	STATUS	INDUSTRY
a.k.a. GOOGLE INC	Public Company	Operating	Internet Software and Services
HEADQUARTERS			
Mountain View, California, United States			

75 children available

Adometry, Inc. Texas, United States | Private Company | Operating Subsidiary | Internet Software and Services

Adscape Media, Inc. California, United States | Private Company | Acquired | Media

Agawi Inc. California, United States | Private Company | Operating Subsidiary | Internet Software and Services

Avnato Inc. California, United States | Private Company | Operating Subsidiary | Internet Software and Services

Api.ai California, United States | Private Company | Operating Subsidiary | Internet Software and Services

Cancel 76 Selected

## 6. 检索结果展示

检索结果显示如下，结果列表默认按相关度排列，右边区域则显示文献具体内容。

The screenshot shows a patent search interface with the following elements:

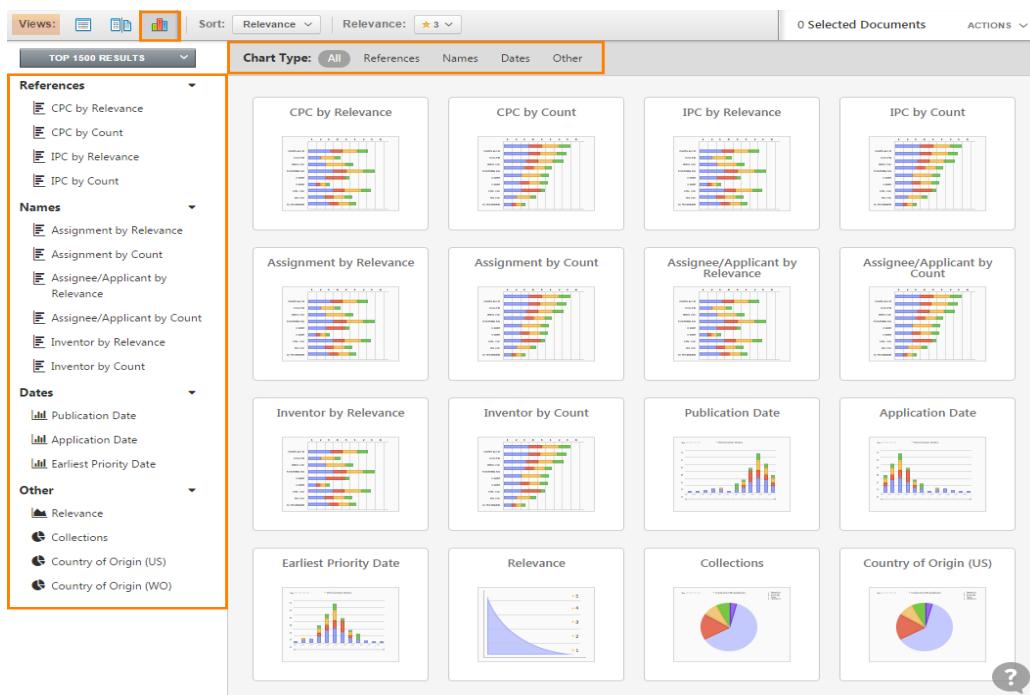
- Top Bar:** Actions: Query, Results, 0 Selected, Sort: Relevance, Cut-off: ★ 3, De-dup: None.
- Left Panel (Split View):** Shows 9766 results for the query "Battery electrolyte suspension". The results are numbered 1 to 8, each with a title, current assignee, and a star rating (★ 4).
  - 1. Battery electrolyte suspension
  - 2. Carbon nanotube based electrode materials for high performance batteries
  - 3. Metal sulfide composite materials for batteries
  - 4. Method of producing electrode material for lithium-ion secondary battery and lithium-ion battery using such electrode material
  - 5. Method of producing electrode material for lithium-ion secondary battery and lithium-ion battery using such electrode material
  - 6. Electrodes for energy storage devices with solid electrolytes and methods of fabricating the same
  - 7. High energy density flow batteries
  - 8. Battery electrode structure
- Right Panel (Document Result #1):** Displays the details for US9293777 "Battery electrolyte suspension".
  - Header:** Document Result #1, 2, 3, NEXT >, DOCUMENT ACTIONS.
  - Section Headers:** Front Page, Family (2), Citations, Description, Claims (selected), Figures (6), Pages (10), Legal, Litigation (0), Notes.
  - Information:** UNITED STATES PATENT, USPTO, PUBLICATION NUMBER: US 9293777 B2, PUBLICATION DATE: 22-Mar-2016, APPLICATION NUMBER: US 13/892,478, FILING DATE: 13-May-2013, SIMPLE FAMILY NUMBER: 49670633, EARLIEST PRIORITY DATE: 14-May-2012.
  - Abstract (English):** A flow battery employs a solid suspension charge material to maintain high charge density via stability of a suspension including a binder, conductive carbon and an electrolyte. A cathodic suspension employs carbon powder as a stabilizing agent in a suspension form to avoid precipitation of solids and maintain a high surface area of the suspended solids. The stabilizing agent undergoes agitation and milling to reduce a particle size and increase the charge density due to the conductive nature of the fine powdered stabilizing agent exhibiting high energy density. The resulting suspensions are circulated in a charge cell connected to a load for providing electrical power.
  - Figures:** Shows a flow diagram of the battery manufacturing process.
  - Inventors:** Wang, Yan (Shrewsbury, MA, US) • Apelian, Diran (West Boylston, MA, US) • Bai, Yang (Worcester, MA, US) • Li, Wenhuan (Worcester, MA, US).

检索结果相关度可以根据需求自定义设定。

The screenshot shows a relevance score configuration interface with the following elements:

- Top Bar:** Cut-off: ★ 3.
- Left Panel:** Shows a list of relevance scores with star ratings and counts:
  - No Relevance Cut-off
  - ★★★★★ (0.800)
  - ★★★★★ (0.600)
  - ★★★★★ (0.400)
  - ★★★★★ (0.200)
  - ★★★★★ (0.000)
  - Custom 0.500
- Center Panel:** Shows the "Top 1500 results" for the query "Battery electrolyte suspension". The results are listed by relevance score, with the top result being 0.6768604.
- Right Panel:** A relevance graph showing the distribution of results across different relevance scores (★ 5, ★ 4, ★ 3, ★ 2, ★ 1). A callout bubble says: "Click VIEW to display the Relevance Graph".

从检索结果列表方式切换到可视化方式显示，可视化图像按多个组分类 References, Names, Dates 和 Other.



## 7. 检索非专利文献

InnovationQ Plus包含超过400万篇的IEEE期刊、会议、标准文献以及IP.com的现有技术数据库等其他非专利文献。首页检索框默认检索内容为”Patents&Applications”，如需检索其他内容（Non-Patent Literature, Patents + NPL, or Licensable Technology）则点击下拉菜单进行切换。



系统自动选择IEEE内容，如需要检索其他非专利文献，可点击“Edit Collections”进行选择。

**NON-PATENT LITERATURE (4 of 11)** **CHECK ALL** | **CLEAR ALL** **VIEW COVERAGE**

IEEE Xplore Publications  Prior Art Database  Other Literature  
 IEEE Periodicals  The IP.com Journal  IBM Redbooks  
 IEEE Conferences  Internet Society RFC  PubMed Central  
 IEEE Standards  IBM TDB Archive  
 IEEE Early Access  Legacy Journals  
 Software Patent Institute

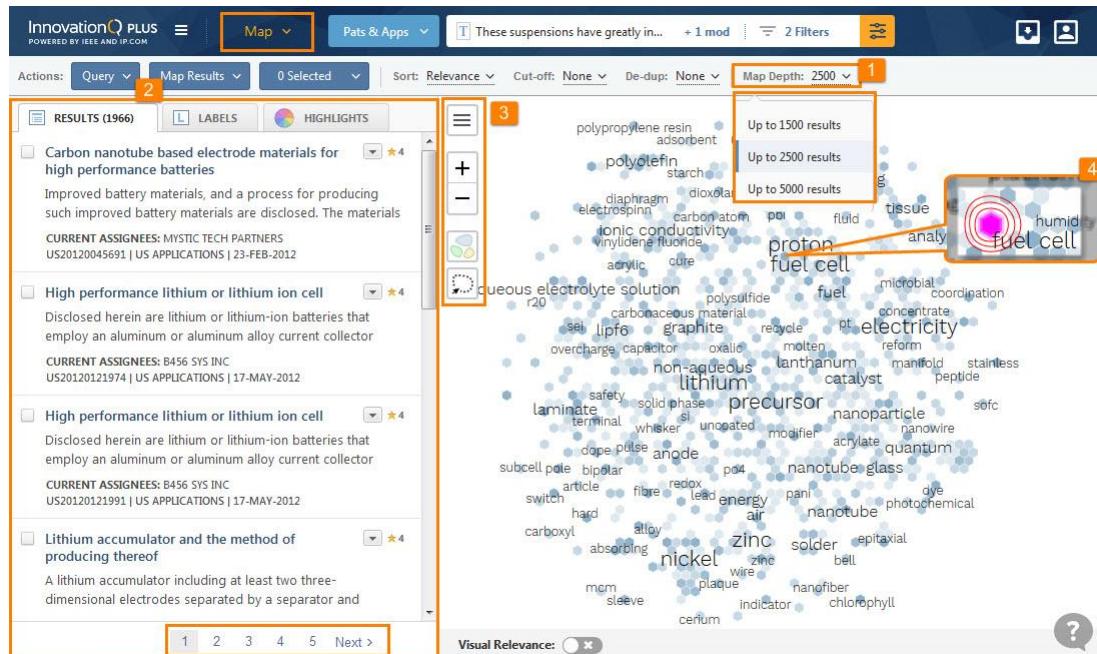
Save as defaults for this group

## 8. 专利地图 (Map) 查看专利全景

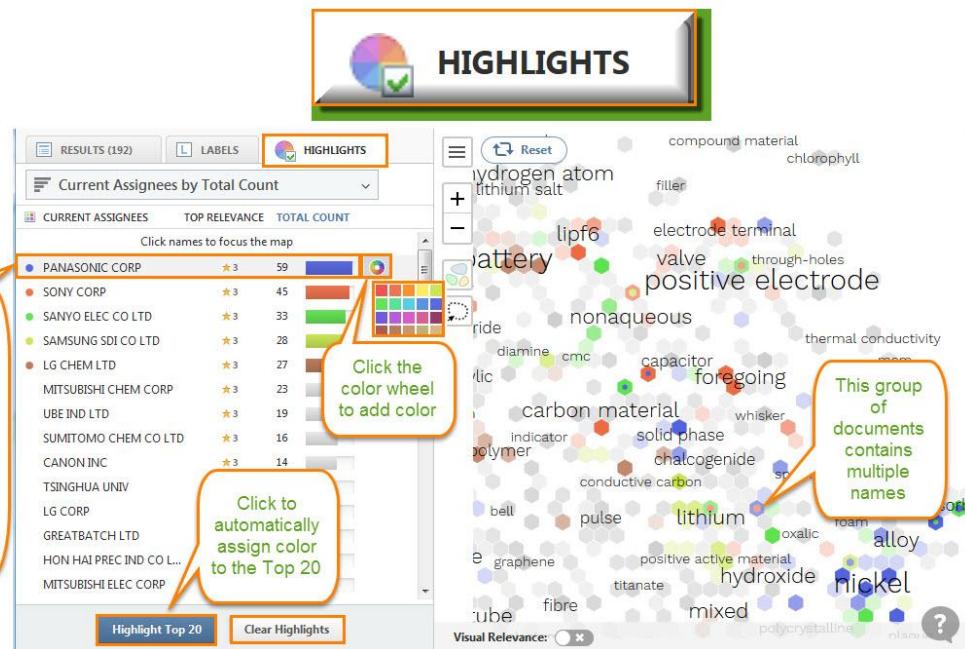
从首页下拉菜单中点击“Map”切换到专利地图。



Map基于原文内容所提取的概念和含义，对关键文档进行可视化展示。用户轻松识别专利空白区，接受让人快速高亮显示其拥有专利。概念越大代表相关文献越多，在地图上越重要。地图上每个六边形代表一组文献，蓝色深度代表密集度，蓝色越深文献越多，反之则越少。



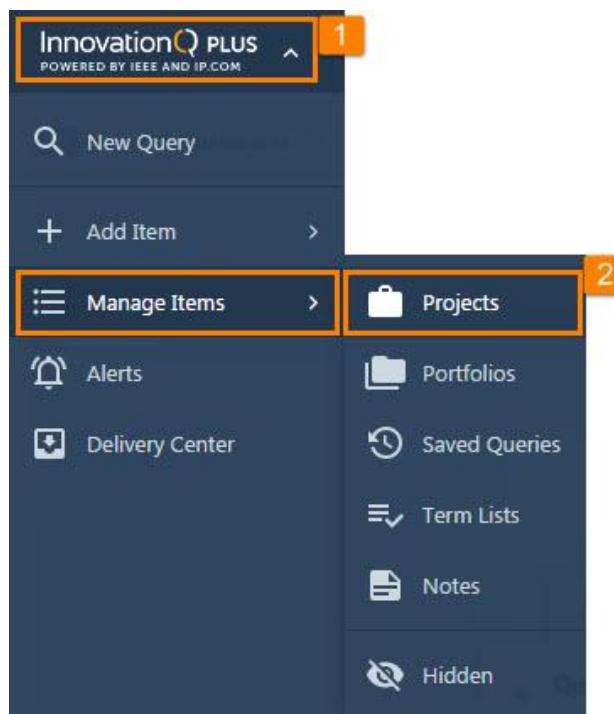
Map可视化显示各专利权利人持有专利分布情况，从而辅助专利竞争态势分析。



## 9. 工作管理与分享 (Manage)

用户可利用协作工具与同事分享信息，通过保存检索结果和设置更新提醒来管理文件夹，快速导出报告、结果和图表。

用户可以点击“Manage Items”区域，从左边栏可保存提问，保存词表，创建报告，下载表格以及创建专利档案。



The screenshot shows the Project Viewer interface with the following details:

- Project Info:**
  - Type: Private
  - Created: 2016-09-20 18:20 UTC
  - Owner: Generic User
  - Description: These suspensions have greatly increased the concentration of electrically active material in the solutions, resulting in about a 10-fold increase in energy density (the amount of energy that can be stored in a given volume) and about 2.5 times the power density (he... Show more)
- Recent Comments:** A message states "Commenting is not enabled" with a link to "Enable commenting".
- Project Contents:**
  - Portfolios (2) Updated 2017-04-12 14:26 UTC
  - Saved Queries (3) Updated 2017-04-11 14:55 UTC
  - Term Lists (1) Updated 2017-03-17 15:12 UTC
  - Document Notes (1) Updated 2017-03-31 20:11 UTC
  - Attached Exports (4) Updated 2017-03-31 20:08 UTC

## 10. 专利分析(Analyze)

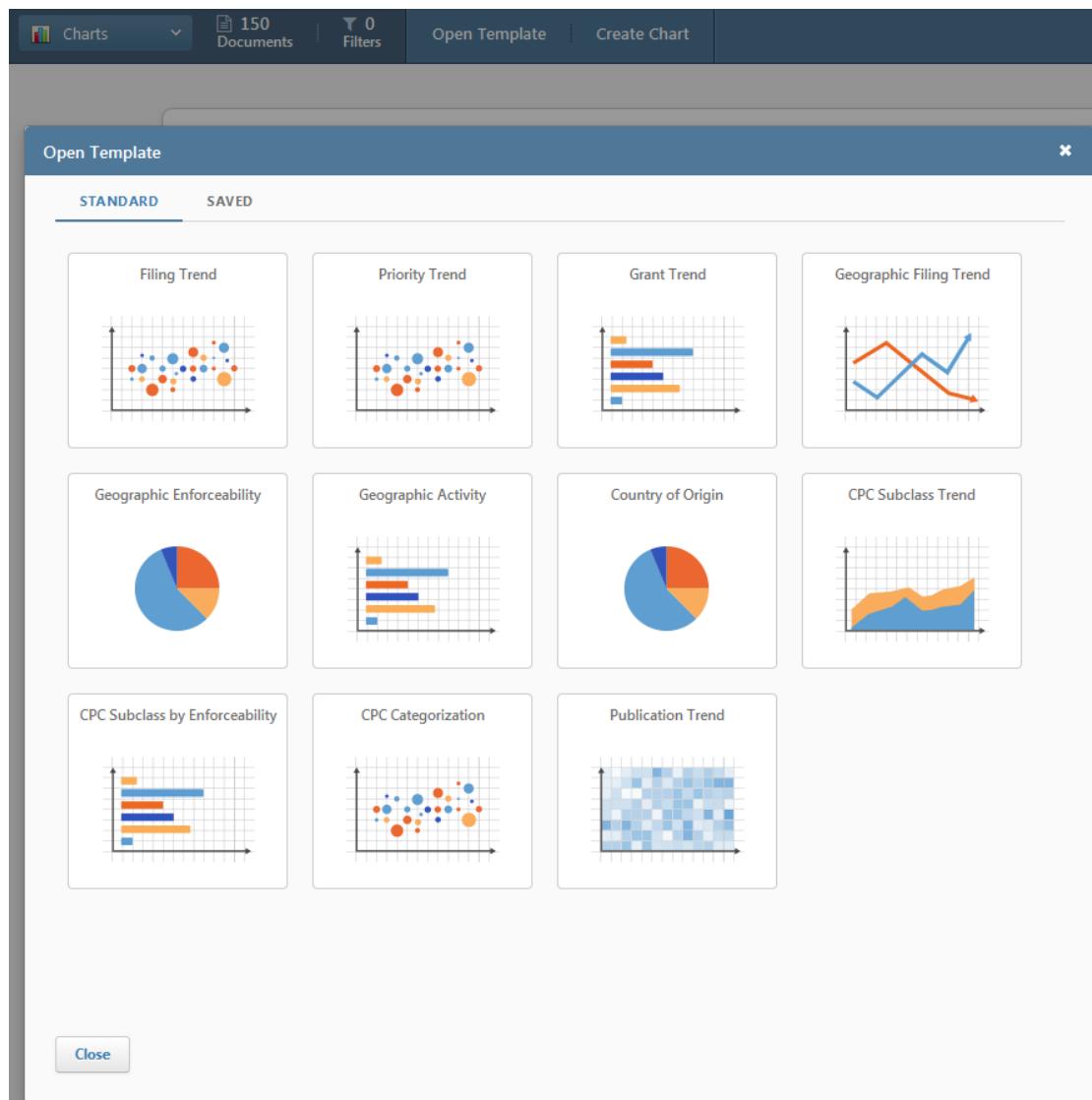
分析(Analyze)模块可以对用户已识别的重要专利进行深度剖析。Analyze针对用户选择保存到Portfolios里的专利集合进行自定义分析展示, 用户可以从多角度快速理解海量数据所包含的关键信息。

开始专利分析, 首先选择目标"Porfolios", 导入之前保存的关键专利集合。然后用户可以从不同视角Overview, Triage 和Charts开始专利组合分析。

The screenshot shows the InnovationQ Analyze module interface with the following details:

- Header:** InnovationQ, Manage, Discover, Map, **Analyze** (highlighted with an orange box).
- Left Sidebar:** Select View dropdown showing "Overview", "Triage", and "Charts".
- Main Area:**
  - Welcome to Analyze
  - Analyze gives you dynamic methods to visualize your data to spot unique patterns, trends, and relationships.
  - Buttons: Start New Analysis, - OR -, Continue Prior Analysis.
  - Three computer monitors illustrating the analysis types:
    - Overview**: View a summary of your data.
    - Triage**: Review and organize your data.
    - Charts**: Chart your portfolios using the data that matters to you.

用户可选择标准模板或自定义模式进行专利数据分析。



Charts 150 Documents 0 Filters Open Template Create Chart

Open Template

STANDARD SAVED

Filing Trend Priority Trend Grant Trend Geographic Filing Trend

Geographic Enforceability Geographic Activity Country of Origin CPC Subclass Trend

CPC Subclass by Enforceability CPC Categorization Publication Trend

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