



SAFEGUARDING THE GROWTH

OUR CONTRIBUTION TO CUSTOMERS' ACHIEVEMENTS

We are committed to boosting our clients' enterprises and helping them gain a competitive advantage in their respective domains. We craft our solutions as a perfect blend of strategy, technology, innovation, and commitment to suit their requirements and achieve maximum output.

Our role is not only restricted to assisting our customers in making some crucial business-related decisions associated with risk assessment, but we also offer a comprehensive strategic roadmap to facilitate them in efficiently innovating or considerably transforming their products, technologies, services, or processes. We also guide our clients in leveraging emerging market opportunities by comprehensively analyzing the gaps and enabling them to broaden their horizons.

WHO WE ARE?

We are a recognized techno-commercial organization geared towards delivering superior, customized, and cost-effective solutions related to Intellectual Property Research. Our IP services direct globally established industry leaders, law firms, R&D organizations, institutions, innovative companies, and investors toward product/technology discovery, filing, adoption, licensing, and acquisition.

OUR PURPOSE

We are solely driven to bring value to our clients, which is our core purpose. Our focus is to deliver quality insights & appropriate strategies, thereby making a decisive impact on our clients' enterprises. Besides, we work relentlessly on uplifting the benchmark of our services, through which we can deliver more innovative ideas and pragmatic strategies to escalate our clients' businesses.

OUR STRENGTHS



Exceptional team of subject matter experts who have profound knowledge and rich experience in their respective domains.



Seamless access to the public, subscription-based, and curated databases covering insights related to industry dynamics, business trends, technological adoption & approval, and public opinions.



Close collaboration with clients on operational as well as a strategic workflow to regularly fetch solutions that surpass the industry standards



Multi-domain experts analysing industry overlapping trends and looking for intercepting ideas while drawing inspiration from different industries.



Dedicated team of software professionals who have designed or customized existing tools and dashboards based on project and client requirements such as patent ranking tool, citation index tool, dashboards, etc.

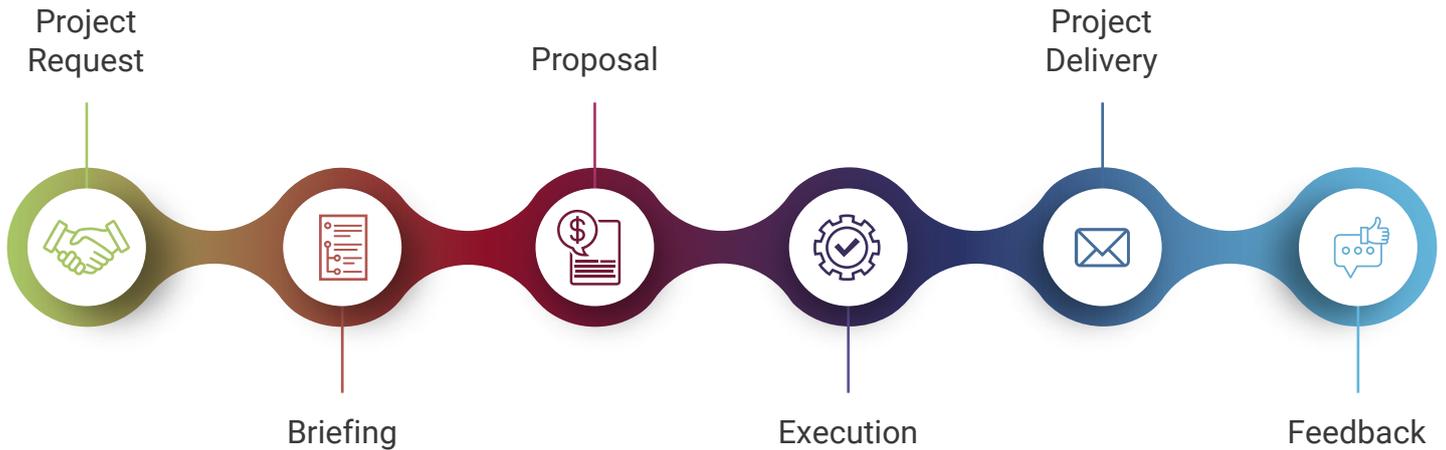
WHY IS IP MANAGEMENT IMPORTANT?

Industry shifting trends such as digitalization, automation, sustainability, energy & efficiency management, etc., demand organizations across the globe redefine their products and processes to sustain and grow in a competitive environment. The accountability of an enterprise is not limited to inventing & upgrading its products, technologies, or services; it also has to acquire the exclusive grants of that innovation to restrict its contenders from abusing that innovative idea or technology and to gain a leading edge in the market.

However, large enterprises often overlook the significance of leveraging intellectual property with more significant business objectives. They tend to hold hundreds of patents but need to be more competent in strategizing to manage their IP portfolios to reach greater business goals effectively. A functional IP management process identifies, protects, and retains the intangible product and its value. On the contrary, the majority of the start-ups which are merged out of disruptive innovations need additional focus on managing their innovation while meeting commercial engagement. This puts them in the critical requirements for safeguarding and leveraging the patents and expanding on further possibilities demanding additional IP service support.



OUR WELL-DEFINED PROJECT COMMUNICATION APPROACH



CREATING DEEP VALUE FOR ENTERPRISES THROUGH OUR UNPRECEDENTED STRATEGIC IP MANAGEMENT

Innovators & manufacturers can secure their innovations in the form of products, technologies, or services through our exclusive Intellectual Property (IP) research services. We assist them in acquiring IP rights such as patents, trademarks, copyrights, trade secrets, and other assets comprising data, strategies, and brand reputation. On the contrary, when a company keeps filing patents and aggressively expanding its IP portfolio, it adds to its expenses owing to the increasing count of renewal invoices. Therefore, we provide exhaustive approaches and strategies to judiciously manage its IP portfolio by meticulously sorting & securing lucrative patents and licensing some of the remnants to other enterprises.

OUR NETWORK OF DOMAIN EXPERTS ...

Ingenious e-Brain has invested in an exceptional team of experts with profound knowledge and rich experience across various domains, comprising Biomedical, Information Technology, Pharmaceuticals, Oil & Gas, Biotechnology, Electronics, Telecommunication, Automotive, Chemicals, Mechanical, and FMCG, among others.

WE DELIVER TOP-NOTCH IP SOLUTIONS TO OUR CLIENTS ACROSS KEY INDUSTRY-SPECIFIC DOMAINS

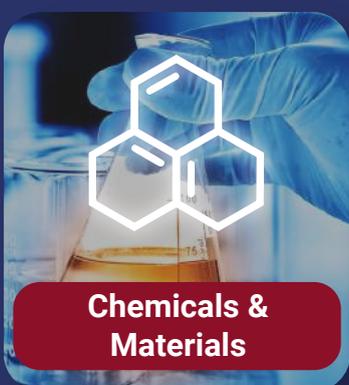


Pharmaceutical industry is all about drug discovery & development. The industry has gained significant momentum, particularly after the SarS-CoV-2 outbreak. Key trends where our IP services are proven to be beneficial for clients include:

- Cell and gene therapy
- Digitalization
- Targeted therapies
- Regenerative medicines
- Combination therapies
- Radiotherapy with minimal side effects

Healthcare is amongst the most thriving industries established globally. The most recent innovations in this industry include highly sophisticated devices to perform minimally invasive surgeries and rapid diagnostics instruments with high precision. Key trends in which our IP services help clients gain competitive advantage include:

- Personalized or precision healthcare
- Miniaturization of medical devices
- Early screening & rapid diagnostics
- Patient centricity
- Natural alternatives



Chemical & materials industry aims to meet the burgeoning demands for industrial chemicals, paints, coatings, fuels, etc., for commercial and residential purposes. Key trends where our IP solutions assist our clients with the innovation & adoption of refined products & technologies include:

- Hydrogen economy
- Green Hydrogen
- Waste to Chemicals
- Future refineries
- Sustainable Materials
- Plastics Chemical Recycling
- Novel Materials

The packaging industry is escalating considerably due to the increasing adoption of fast moving consumable goods and the burgeoning e-commerce sector. Key trends where our experts can help our clients in the packaging industry with our IP solutions include:

- Flexible Packaging
- Biodegradable Packaging
- Rigid Packaging
- Glass Packaging
- Plastic Packaging

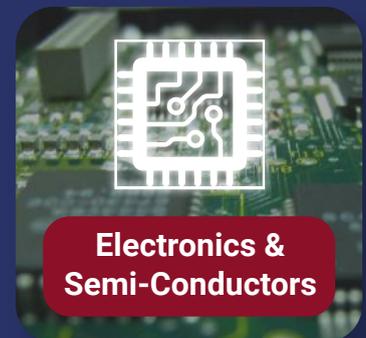


The ICT industry has flourished immensely during the last decade. An increasing number of industry emergents, constantly changing consumer preferences, and burgeoning product range have led to cut-throat competition in the market. Key trends where we help our clients sustain and grow in this competitive environment through IP solutions include:

- Virtualization & Networking
- Cybersecurity
- Artificial Intelligence
- Blockchain
- 5G
- Cybersecurity

Electronics & semi-conductors industry has been drawing attention owing to the integration of digitalization across diversified sectors. Key trends where we direct our clients with the technology adoption through our IP solutions include:

- Energy Harvesting
- Chip Miniaturization
- Wireless Communication
- Wearable & Portable Technologies
- Biomedical Engineering
- Edge Computing



The mobility industry is in the revolutionary phase due to the innovation and adoption of electric, hybrid, and hydrogen-powered vehicles. Key trends where our clients can gain traction through our IP services include:

- Fuel Cells
- Architectures for alternative fuels
- Vehicle Architecture
- EV Non-compromising component
- Automotive Cybersecurity
- Automotive Systems

INDUSTRY-SPECIFIC RESOURCES

We have access to numerous publicly available and subscription-based industry-specific databases to conduct ingrained research. By employing the crucial information, our team of analysts delivers insights into the existing and latest product, technology, or services innovations & advancements across various industries

HI-TECHNOLOGY SPECIFIC DATABASES

- IEEE
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS
- ELSEVIER'S ENGINEERING VILLAGE
- IHS ENGINEERING300
- ETSI STANDARDS
- INSPEC
- COMPENDE

LIFE SCIENCE SPECIFIC DATABASES

- BIOSIS
- COMPENDIUM OF PESTICIDES
- FSTA
- BEILSTEIN
- MEDLINE
- WEB OF SCIENCES
- PUBMED
- BIOONE
- HIGHWIRE PRESS
- AGRICOLA

CHEMISTRY SPECIFIC DATABASES

- CEABA-VTB
- PROQUEST DIALOG
- CASREACT
- MARPAT
- CAFILE
- REGISTRY
- WPIX
- CHEMSPIDER
- DRUGDESIGN
- EMOLECULES
- CHEMEXPER
- CHEBI
- DRUGBANK
- CHEMBANK
- CHEMMINE
- PUBCHEM
- WIPO (CHEMICAL STRUCTURE SEARCH)
- ORGANGE BOOK

DEFENSIVE PUBLICATIONS

- IP.COM
- RESEARCH DISCLOSURE DEFENSIVEPUBLICATIONS
- .ORG DEPARTMENT OF DEFENSE'S PUBLIC STINET

LIBRARY SOURCES

- NATIONAL PHYSICAL LIBRARY, NEW DELHI
- NATIONAL MEDICAL LIBRARY, NEW DELHI
- LIBRARY OF CONGRESS, WASHINGTON, DC
- BRITISH LIBRARY, LONDON
- THE DIET LIBRARY, TOKYO
- LIBRARY-UNIVERSITY OF ARKANSAS
- HARVARD UNIVERSITY LIBRARY
- STANDARD UNIVERSITY LIBRARY

IP MANAGEMENT SERVICES

IP Landscape Services

- Patent Watch
- Patent Landscape
- White Space Analysis
- Partners & Suppliers Identification
- Competitive Benchmarking

Patent Prior Art Services

- FTO Search
- State-of-the-Art Search
- Patentability Searches
- Biological Sequence Search
- Design Searches

Patent Litigation Support

- Invalidity Search
- Litigation & Opposition Meta Data

Standard Essential Patent Services

- Essentiality Check
- SEP Claim Chart

Patent Licensing Services

- Patent Portfolio Ranking/ Scoring
- Patent Monetization
- Infringement Analysis

Patent Prosecution Services

- Directed Prosecution
- Translation Services
- Technical Analysis of Cited Art

IP MANAGEMENT SERVICES OVERVIEW

IP LANDSCAPE SERVICES

Patent Watch

aka. Competitor Watch or Patent Monitoring

It focuses on tracking recently published IP information and technological advancement on a regular basis

Methodology:

Step 1: Scoping dataset for the technology or competitor

Step 2: Relevancy analysis & bucketing of the relevant dataset in the taxonomy

Step 3: Performing analytics on the categorized dataset & generating in-depth insights

Step 4: Providing periodic alerts based on client requirements

Key Business Questions:

What emerging & upcoming products and technologies are foreseen in the client's domain?

What should be the roadmap for our client in patenting a product or a technology?

How can our client recognize the subsequent moves of its contenders?

Which unexplored areas can be tapped into for technology innovation and advancement?

Patent Landscape Studies

It emphasizes the status of a technology patent within a given region or globally and delivers R&D, Business, and Legal insights through in-detailed analysis.

Methodology:

Step 1: Patent searches using keyword-based strategies

Step 2: Bucketing

Step 3: Detailed analysis & generating valuable insights from bibliographic data

Step 4: Patent Landscape report preparation

Key Business Questions:

What is the status of a product or technology in a specified geographical region?

Which companies or businesses do our clients have to compete with?

From where & how the technology emerged?

What are the key developments around new products in a particular area?

Technology Scouting

It involves identifying cross-domain technologies & solutions to improve products or services by significantly reducing the development cost and time to the market.

Methodology:

Step 1: Technology assessment and Whitespace Analysis

Step 2: Scouting collaboration avenues between universities and companies

Step 3: Technology gap assessment

Step 4: Opportunity and risk assessment

Step 5: Business and technology intelligence

IP MANAGEMENT SERVICES OVERVIEW

IP LANDSCAPE SERVICES

Key Business Questions:

What are the innovation challenges an established organization has to deal with?
Which domains are related to the client's technology of interest?
Which novel technologies are accessible to help the client tap unexplored areas?

White Space Analysis

A comprehensive analysis of the client's R&D activities and benchmarking against competitors to determine the gaps in the current technology spectrum

Methodology:

Step 1: Create an overview of White Space by identifying your offerings

Step 2: Get to know your existing customers

Step 3: Define and limit the scope of your market

Step 4: Pay attention to your competitors

Step 5: Survey your current customers

Step 6: Act on new opportunities

Key Business Questions:

How can our client get informed about the technological gaps?
What is the precise valuation of a company for acquisition?
What is the capitalization of the client's IP portfolio, and how can it be reinforced?

Partners & Supplier Identifications

It includes tracking all the business and technical activities of partners & suppliers to identify and benchmark potential associates in the technology area of interest.

Methodology:

Step 1: Creating a list of potential suppliers & partners

Step 2: Shortlisting a few based on specific attributes

Step 3: Selecting an optimum supplier or partner for your business

Key Business Questions:

How does a client establish competitive cost and production to sustain in the market?
How to dodge the potential financial risks a client may face?
Who are the suitable suppliers & partners for a client?

Competitive Benchmarking

It includes benchmarking the client's products and patent data with competitors' data, along with the development of strategic insights.

Methodology:

Step 1: Selection of competitive benchmark metrics

Step 2: Identification of competitors to benchmark against

Step 3: Prepare a report on competitive metrics

Step 4: Conduct and measure results

Step 5: Implementation of further strategies

IP MANAGEMENT SERVICES OVERVIEW

IP LANDSCAPE SERVICES

Key Business Questions:

What are the qualities & cost of the product of our client's key competitor?

What is the status & valuation of the client's contenders present in the market?

How our client performs better while commercializing novel products and entering new markets?

PATENT LICENSING SERVICES

Patent Ranking aka Patent Scoring

The service involves shortlisting patents by rigorous evaluation and ranking based on multiple objective and subjective parameters

Types of analysis:

- **Objective analysis:**

Technical, Legal, and Bibliographic parameters are considered for score weightage

- **Subjective analysis::**

Detectability test, claim scope, and business impact are considered for score weightage

Key Business Questions:

Among all the acquired intangible assets, which are the client's top-performing patents?

Which patents should a client acquire or purchase to strengthen its IP portfolio?

Which industries are frequently acquiring specific patents across the domain?

Patent Monetization

It is a broad approach that involves preparing EoU charts by extracting top patents through manual and automated analysis.

Methodology:

Step 1: Patent portfolio analysis

Step 2: Identification of promising patents

Step 3: Infringement search in competitive & non-competitive areas

Step 4: EoU creation

Step 5: Monetization opportunity

Key Business Questions:

How do we direct our clients to settle patent-related disputes?

What is the roadmap to monetize patents efficiently?

What is the patent selection approach for a client possessing a highly complex IP portfolio?

IP MANAGEMENT SERVICES OVERVIEW

PATENT LICENSING SERVICES

Infringement Analysis

The service ensures that the IP is protected from infringing upon by the companies in core and non-core market areas. Moreover, it facilitates in licensing and monetizing of patents.

Methodology:

Step 1: Formulate scientific classification

Step 2: Develop a patent featuring mapping

Step 3: Conduct patent-product mapping

Key Business Questions:

How do we ensure the privacy of owned patents and what are the overlapping concepts in the market?

How to ensure the distinctiveness of the concept in the selected industry?

What factors are under consideration to improve the patent quality without any infringement?

PATENT LITIGATION SERVICES

Invalidity Search

It includes a comprehensive analysis of the subject patent case by reviewing litigation/opposition documents, especially for highly sensitive litigation, opposition, and patent acquisition cases.

Search & Analysis:

- Keyword-based search
- IPC, CPC, US, and F-Term (Japanese classes) class-based search
- Assignee and Inventor-based search
- Citation analysis
- Similarity analysis
- Semantic searching

Key Business Questions:

How does our client ensure that its patent is valid?

What is the prior action our clients should take while filing an infringement lawsuit?

What key sections do our clients have to consider while filing opposition cases?

Litigation & Metadata Opposition

This service is provided to help clients make various strategic decisions by delivering the insights generated from unautomated litigation and opposition metadata. Some countries, including China, Europe, and Japan, have litigation and metadata stored in their native languages. Therefore, the extraction of crucial information from such databases is complicated.

Key Business Questions:

How do we segregate the multiple concepts and factors out of a critical instrument?

What are the latest guidelines our client should follow while filing the patent infringement suit? How to gain justify and maintain the patent monopoly?

IP MANAGEMENT SERVICES OVERVIEW

PATENT PRIOR ART SERVICES

Freedom to Operate (FTO) Search,
aka Clearance Search

Key Business Questions:

State-of-the-Art Search

Key Business Questions:

Patentability Search

Key Business Questions:

Biological Sequence Search

FTO search involves recognition of all the active patents and published applications that pose the risk of breach by inventive service or product.

Methodology:

Step 1: Focusing on important key features

Step 2: Jurisdiction coverage

Step 3: Date restriction

Step 4: Targeting essential players in the domain

Step 5: Segregating patents into different sets for prioritizing efforts

How can our client determine if its patent is at risk of being infringed?
What key aspects should our clients consider while inventing a product or technology to be patented?

It offers a detailed technology overview by thoroughly reviewing all the patent and non-patent literature.

Methodology:

Step 1: Finding the right keywords

Step 2: Product searching

Step 3: Patent searching

How do we help our clients validate their patents?
Which existing patents have similar features to our client's novelty?

Thorough evaluation of an invention and delivering insights into the existing technologies & opinions to form a strategy if going forward with an application.

How does our Patentability Search service help clients mitigate the risk of infringement?
How do the insights gained through this service help our clients file patents?

It is a key aspect of patent analysis, particularly in the Life sciences sector. In biological sequence search analysis, it is a prerequisite to cover various parameters such as query coverage, number of nucleotide/amino acid matches/mismatches, gaps, and percentage identity.

Methodology:

Step 1: Identifying the set of sequences that are not less than 85% identical or similar to the query sequence

Step 2: BLAST analysis of nucleic acid sequences on NCBI, Patent Lens, REGISTRY/CAPLUS (STN), and other databases

Step 3: Additional restricted BLAST search for each sequence of probes & primers on REGISTRY/CAPLUS (if the number of hits is more than 1,000)

Step 4: Conduct a BLAST search to identify a sequence match with nucleotide length equivalent to the query sequence

IP MANAGEMENT SERVICES OVERVIEW

PATENT PRIOR ART SERVICES

Biological Sequence Search

Key Business Questions:

Step 5: A list of patents/applications with more than 85% similarity is extracted

Step 6: Manual analysis of each patent/application and sequence mapping of claimed sequences

How do our clients know if they are studying species with similar genetic material?

What are the alternatives for exorbitant, traditional, and laborious sequence search methods we deliver to our clients?

Design Search

Key Business Questions:

This approach is employed to validate that your design has yet to be patented. A design patent search entails looking through existing patents. An item's exceptional, innovative, and ornamental designs are eligible for a design patent.

Methodology:

Step 1: Conduct keyword-based, Locarno class-based, and combinational design searches on Orbit Design and Derwent Innovation

Step 2: Perform Content-Based Image Retrieval (CBIR) on multiple search engines

Step 3: Additional search on design search databases for detailed analysis of design patents

How do we help our clients meet the guidelines to patent a design?
How does our client know if its design is already patented?

STANDARD ESSENTIAL PATENT (SEP) SERVICES

Essentiality Check + SEP Chart Preparation

Key Business Questions:

Methodology:

Step 1: Essentiality check

- i) Essentiality extraction on ETSI dynamic
- ii) Art citation by the examiner/ under development/ has direct involvement of assignee/investor for the development

Step 2: Standard identification

Step 3: 3gpp searching

Step 4: Extracting meeting & claim chart preparation

- i) Detailed analysis for overlap
- ii) Claim chart preparation

How do the clients recognize if their portfolios are concealed with undeclared SEPs?

What technical specifications and documents are required to map standard datasets?

IP MANAGEMENT SERVICES OVERVIEW

STANDARD ESSENTIAL PATENT (SEP) SERVICES

Essentiality Check

An essentiality check implies an in-detailed invigilation based on the technical standards of the prior art cited by an examiner, under development, or with the direct involvement of an investor/ assignee for development.

SEP Chart Preparation

Based on the essentiality check, a claim chart is generated where claims are mapped onto standard documents.

PATENT PROCESUTION SERVICES

Directed Prosecution

It is a process to identify key elements not included in the patent's claims in a prosecution that would be important for infringement purposes and filing a continuation application within three months of receiving NoA resulting in a strong IP portfolio.

Methodology:

Step 1: Tracking & identifying pending applications for NoA in the client's IP portfolio

Step 2: Identification of unclaimed key elements from the patent specification

Step 3: Search a product mapping onto the unclaimed key elements of the NoA application

Step 4: Prepare an EoU by mapping unclaimed key elements and allowed claims onto the product

Step 5: Decision on filing a continuation application

Translation Services

It includes certified translations of patent & technical documents in various languages such as German, Korean, Japanese, and Chinese.

Technical analysis of Cited Art

It comprises the identification of technical differences in cited arts and the preparation of a draft response with the support of an in-house counsel and law firms.

Key Business Questions:

What is the roadmap for filing patent prosecution?

How do our clients extract and employ information published in foreign languages?

DATABASE COVERAGE

We have subscriptions to almost all industry-standard databases to meet high-end research needs of projects across all service lines. We have invested half a million in updating and upgrading our database coverage, which is the backbone of our search reports.

Scientific Literature Databases

- Scopus
- Web of Science, Thomson Innovation
- LexisNexis – Non patent Conference Proceedings
- Google Scholar
- Science Direct
- CiteSeerX
- ACM Digital Library
- JournalSeek
- Embase
- Compendex
- INSPEC
- IOP
- Springer
- 99 Resources
- Open Thesis
- Dissertation Abstracts Online
- Databases hosted by STN

Patent Databases

- Derwent Innovations (Worldwide and Translated Asian)
- Questel Orbit
- Lexis Nexis – Total Patent
- Patbase
- USPTO
- EPO
- FPO
- IPO
- PAJ
- KIPRIS
- SIPO
- CNPAT
- CAPLUS/DGENE/PCTGEN/USGEN E hosted by STN
- Genseq
- Patome

Internet Sources

- Internet Archives, eprints
- News Paper Archives; Full text of 350+ newspapers from the U.S. and around the world
- 600+ newsletters
- Broadcast transcripts from major television and radio networks
- Product Brochures
- Campus news from ~ 300 individual college/university papers
- Business Wire and PR Newswire
- National Technical Information Service
- Research Information Services

Company Research Databases

- Capital IQ
- OneSource
- Thomson One
- Datamonitor
- Euromonitor
- EIU
- BMI
- IBIS
- Reuters

AWARDS



iB Ingenious e-Brain

Nurturing Innovations - Fostering Business

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