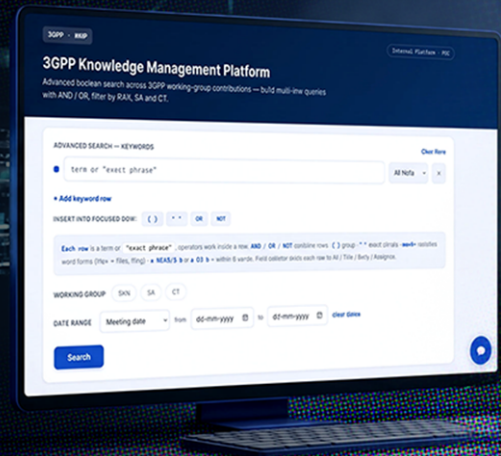


Case Study

3GPP Search Platform Case Study: How We Helped an IP Law Firm Trace SEP Evidence Faster



Objective

The same idea can be expressed entirely different terms in a patent claim and in a 3GPP document, so finding a match means opening the files manually, searching through them one by one, and hoping the correct passage appears.

Our client, an IP law firm, needed that match, and needed it quickly. This is how we found it with our 3GPP Search & Intelligence Platform. The platform is new, and this was one of its early uses on live work, so we say plainly what it did and where it stops.

The Problem: Tracing an SEP Claim Feature Through 3GPP Standards

The client asked Ingenious e-Brain to quickly and accurately identify where a specific claim feature was described in the 3GPP standards. Their legal and technical teams could not wait on a long search, and they would not accept a result without a source.

They needed three things:

- The passages that describe the claim feature.
- Where and when the idea was proposed, discussed, changed or adopted.
- A clear source for every finding.

Timing mattered as much as wording. In SEP research, how a concept appeared and who raised it can affect how a finding is used.

The Challenges: Why Manual 3GPP Review Is Slow

Our analysts knew these challenges well, because standards research had always worked this way.

- Claim language and standards language rarely match, so one phrase misses the passage that matters.
- The idea was spread across contributions, change requests and specifications.
- Opening files one at a time takes long, and a reference can be overlooked.
- The client's teams would read the passages themselves, so every passage needed its source attached.

Working the old way would have meant opening a long list of files and making notes by hand. Notes easily get separated from their source, and the page has to be found again. A finding the client cannot check is not much use in a claim chart or a licensing discussion.

How We Used the 3GPP Search Platform

We employed six steps in our process:

The feature for the claim was written in plain language, and we identified two or three ways in which a standard might refer to it.

1

Each version was put in its own concept row, together with phrases, alternative wording and proximity (in the case where it was necessary for the terms to be near one another).

2

The results were filtered by technical specification group (TSG), contributor, meeting, release, and date.

3

We read the highlighted sections in the context in which they appear, without downloading any documents.

4

The AI assistant was used to summarize and compare the disclosures as well as to explain the dense paragraphs, the answers provided being linked to the documents under review.

5

Every finding was checked against the original 3GPP document before being incorporated into client material.

6

Step two did most of the work. A claim feature is rarely worded the same way twice. Using one phrase would have missed relevant documents. Separate rows ensured that the search was broad enough, while proximity kept the results focused enough to be useful.

On discovering a promising passage, we traced it through the related contributions and change requests and then verified the final version in the specification. The work was based on two rules. The AI acts as a quick first reader, but it is our analysts who determine what a passage means. And any item without a source is not sent to the client.

The Impact: Less Time Searching, More Time Checking Evidence

The change showed up in four places.

Fewer search rounds: Concept rows let us search for claim features using the terminology found in standards, reducing the number of queries needed.

Fewer downloads: The preview and highlighted matches let us judge a passage before we opened a file.

Clearer timing: Filters showed where and when the idea appeared in the record.

Evidence the client could check: Each finding came with its passage and a link to the original document.

With the surrounding text on screen, we could rule a document in or out in one pass. The client's legal and technical colleagues reviewed the passages directly, and the search steps could be repeated and explained when a question came up.

We have not run a formal time study. The platform is new, and we would rather say so than quote a number we cannot back up. What we can say is that the effort moved. Less of it went to hunting for passages and more went to judging what they showed.

Conclusion: Faster 3GPP Research with Evidence You Can Check

The 3GPP platform gives our analysts a faster way to find and check standards evidence. Our consultants then turn that evidence into work clients can use, such as standards to patent mapping, prior art and validity research, claim chart preparation and licensing research.

The platform does not decide whether a patent is essential or valid. That judgment stayed with our analysts and the client's experts.

If your IP team has a claim feature or a technical question to trace through the 3GPP record, **request a demo of the 3GPP Search & Intelligence Platform or write to us at contact@iebrain.com**

Ingenious Brain

Ingenious e-Brain is a global research advisory and management consulting firm that helps businesses future-proof their operations by addressing complex challenges with sustainable, strategic, and expert-led solutions. With a global network of industry experts, analysts, scientists, and consultants, we bring world-class research capabilities and a proven track record of delivering 5,000+ projects across various industries.

With over 14 years of proven excellence, we have successfully tackled complex business challenges for Fortune 500 and Global 1000 corporations, industry leaders, manufacturing giants, startups, investors, universities, and leading companies across domains including automotive, energy, chemicals, advanced materials, life sciences & chemistry, healthcare, medical technology, personal & home care, sustainability, consumer packaged goods, and hi-tech industries.

Our services empower organizations to accelerate innovation, optimize R&D portfolios, and navigate complex intellectual property (IP) challenges, all while scaling operations with resilience. We support clients at every stage of the innovation process, from product launches and IP co-creation to market intelligence, consumer sentiment analysis, and gathering actionable customer insights through surveys.

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