

ValidityGPT, a groundbreaking tool that delves into the semantic meanings of patent claim elements, bridging concepts for effective future claim charting. This powerful platform elevates the standard use of claim charts beyond mere product overlap demonstrations, unlocking a multitude of use cases that bring you substantial profits.

validityGPT empowered Claim Charting

Unmasking the Competition - Facing stiff market competition? Use a claim chart to uncover the similarity between patents filed by competitor companies. For example, a company working in the electric vehicle space could use this tool to understand how their patents compare to those of their competitors.

An Essential Tool for Strategic Acquisition - Validate the seller's claims with validityGPT. It lets you create a claim chart to cross-check the alleged infringing products of the patent you're planning to buy, providing you advance insight between the patent and product. For instance, a buyer could use validityGPT to identify overlaps or discrepancies between a patent for a wireless charging technology and a product that claims to use such technology.

An Ally for Licensees - Investing in a patent license? Determine the fairness of your licensing fee with the help of a claim chart. You can evaluate critical factors such as the number of market products overlapping the patent, the degree of overlap, and the overall patent market. For instance, a licensee interested in a specific AI technology patent could utilize a claim chart to identify the scope of product coverage, extent of overlap, and subsequently, negotiate licensing terms.

A Weapon in Defense - Navigating a litigation issue or aiming to invalidate a patent? Claim charts offer the ability to weaken a patent's novelty by mapping it with existing literature prior to the patent. This helps unearth prior art references from both patents and products to strengthen your case.

Forecasting Innovation Trends - Have a patent for a futuristic invention? Prepare a claim chart to demonstrate the relation between your patent and a similar product announced by a big company. This could attract investment even before the product launch. For instance, if

you own a patent for advanced holographic technology, and a tech giant announces plans for a similar product, a claim chart can reveal overlaps and the potential market for it.

Claim charts, empowered by validityGPT and customizable to suit your needs, are more than a tool – they are a potent strategy in your patent portfolio. They give you the leverage needed to generate money in the long run, irrespective of the situation, proving that a great tool indeed trumps a dozen clever tactics.

Strategic Advantage of validityGPT

Increased accuracy: validityGPT uses artificial intelligence to understand the semantic meaning of patent claims, which can help users to create more accurate claim charts.

Reduced time to market: validityGPT can help users to create claim charts more quickly, which can help them to bring new products to market faster.

Improved decision-making: validityGPT can help users to make better decisions about patent licensing, litigation, and portfolio development.

Unleashing the Potential of Your Patent Strategy with validityGPT

Equipped with validityGPT, stakeholders can swiftly identify opportunities and risks, enabling truly effective patent strategies for future innovation. With this powerful tool in your hands, take the driver's seat in shaping the future of your patent landscape.

www.apexstandards.com

[Contact support@apexstandards.com](mailto:contact.support@apexstandards.com)

References

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- [2] Product Matrix www.apexstandards.com/ApexStandards.SaaS.Product.Matrix%202022-04.pdf
- [3] Strategic Service Matrix www.apexstandards.com/ApexStandards.Strategic.SEP.Service.Matrix%202022-04.pdf
- [4] Apex Standards domain specific GPT www.apexstandards.com/apex.domain.gpt.pdf
- [5] Apex Standards Pseudo Claim Charting www.apexstandards.com/apexstandards.pcc.pdf
- [6] Apex Standards Claim Construction www.apexstandards.com/asconst.pdf

Session 1 On Fri, Jun 2, 12:23 PM PDT, you asked about: "Are there potential prior arts and invalidation risks for the following claim element? "A computer implemented method for data access in a storage infrastructure, the storage infrastructure comprising a host system connected to at least a first storage system and a second storage system, the storage infrastructure further comprising a de-duplication module maintaining a data structure comprising one or more entries, each entry of the one or more entries comprising a hash value, a data location, an identifier, a first usage count and a second usage count for a data chunk, wherein the first usage count and the second usage count are associated with the first storage system and the second storage system, respectively, the first storage system and the second storage system comprising a first reference table and a second reference table, respectively""

validityGPT answered:

Perspective 1

There are potential prior art and invalidation risks for the claim element, based on the following:

1. [Patent 10230501, Claim 20 based on USPTO LEGAL GROUND 35 USC 102(a)]:

- Patent 10230501 teaches a device for storing softbits of messages received according to a Hybrid Automatic Repeat Request (HARQ) protocol, comprising a first storage and a second storage.
- The first storage and the second storage include a plurality of memory segments allocatable to HARQ processes.
- The claimed element discusses a storage infrastructure comprising a host system connected to at least a first storage system and a second storage system.
- Both the claimed element and Patent 10230501 disclose the presence of two storage systems.

2. [Patent 5722078, Claim 14 based on EPO LEGAL GROUND Article 54 EPC]:

- Patent 5722078 teaches a mobile station comprising a memory device that includes a first storage area for storing a probability block scheme and a second storage area for storing control channel identifiers.
- The claimed element describes a storage infrastructure including a first storage system and a second storage system.
- Both the claimed element and Patent 5722078 discuss the presence of two storage systems.

3. [Patent 5703902, Claim 10 based on USPTO LEGAL GROUND 35 USC 102(a)]:

- Patent 5703902 teaches a method where the step of summing includes storing a first energy value in a first energy storage register and the first energy register is one of a series of first-in-first-out (FIFO) storage registers.
- The claimed element discusses a storage infrastructure comprising a host system connected to at least a first storage system and a second storage system.
- Both the claimed element and Patent 5703902 disclose the presence of separate storage systems or registers.

These patents may be considered relevant prior art that could impact the novelty and inventive step of the claim element.

Perspective 2

Potential prior arts and invalidation risks for the claim element could be based on the following references:

1. [Patent 10230501, Claim 20, based on USPTO LEGAL GROUND 35 USC 102(a)]:

- Patent 10230501 teaches a device for storing softbits of messages received according to a Hybrid Automatic Repeat Request (HARQ) protocol.
- The device comprises a first storage and a second storage, each including a plurality of memory segments allocatable to HARQ processes.
- The method involves receiving a first message and storing the softbits of the first message in a first segment of the first storage, which is allocated to the first HARQ process.
- If the number of allocated segments in the first storage, where the decoding of messages stored in the allocated segments has not yet been completed, exceeds a threshold greater than zero, the allocation for the first HARQ process is changed from the first segment in the first storage to a second segment in the second storage.
- The changing of the allocation to the second storage includes transferring the stored softbits of the first message from the first segment in the first storage to the second segment in the second storage.

Although Patent 10230501 discloses a storage system with first and second storage components, it does not teach or disclose a de-duplication module maintaining a data structure comprising one or more entries, each entry including a hash value, a data location, an identifier, a first usage count, and a second usage count for a data chunk. Therefore, the claim element may still be considered novel and non-obvious over this reference.

Apex Standards validityGPT is a potent tool designed to aid patent researchers and legal professionals in analyzing patent claims, like "A computer implemented method..." to promptly identify potential invalidation risks and patent quality issues. By simply inputting a patent claim element into validityGPT, users can swiftly uncover potential prior arts that could pose as threats to the validity of their patent. Take, for instance, a claim for a computer-implemented method related to AI-driven traffic management. Inputting this claim into validityGPT would allow users to identify potential prior arts, such as older patents or publications on similar AI traffic systems, which could potentially invalidate their claim. validityGPT doesn't stop there. It goes a step further by providing legal grounds based on USPTO 35 USC 102/103(a-e) or EPO/EPC Article. For example, if the AI traffic system claim overlaps with an older patent, validityGPT might invoke USPTO 35 USC 102(a) for anticipation or 103(a) for obviousness, stating that the claim is not novel or is obvious in light of the prior patent. For an European patent, it might invoke EPC Article 54 for novelty or Article 56 for inventive step, using the same reasoning. This dual functionality of validityGPT—highlighting prior arts and providing legal arguments—enhances the efficiency of patent analysis and strategy, allowing users to substantiate their arguments, fortify their patent claims, and ultimately maintain a robust and defensible patent portfolio.