

IncoPat is a global patent database provider collecting patents from 120 authorities with data updates every 24 hours. The platform makes an integration of functions like patent search, analyze, online cooperation and monitor. Furthermore, incoPat processes on value-added data like legal status, litigation, corporate business information, technology operation, custom record, communication standards, declassified national defense patents, etc. With deep and professional patent data process, incoPat provides as many as 305 searchable fields, 53 analytical templates and 100 customized analytical fields which are more than most other vendors to meet users of all demands. By using self-developed patent DNA analysis technology, incoPat combines the technology of AI with IP to realize functions like AI search, landscape analysis, and hotspot prediction to help users raising innovation efficiency, enhancing IP competitiveness and locating business opportunities in emerging market. incoPat dedicates to providing first-rate patent data and platform for R&D, IP professionals and researchers from companies, patent agencies, law firms, universities all around.

### Some incoPat Featured Functions

#### AI Search-for novelty search, invalidation search and clearance search

Use technology of Knowledge Map and AI, borrow the concept and algorithm of DNA identification, to identify the core structure in invention patent document and basic element of patent DNA Knowledge Map to realize invention contents accurate identification and accurate matching.

#### Example for Invalidation Search

Step 1——Input the patent number being challenged for infringement. Select Search scope

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AI Search

- Novelty Search
- Invalidation Search**
- Clearance Search

Invalidation Search

1. Input Invalidation Object 2. Draw DNA Map (Chinese only now) 3. Identify Related Concepts

Patent Number of Invalidation Object (Enter complete publication/application number):

CN100443091C

Target Scope:

☐ First Claim ☒ All Claims

Data Coverage:

☐ All ☒ CN ☐ US ☐ EP ☐ KR ☐ WO ☐ DE ☐ GB ☐ FR ☐ Others

Patent Type:

☒ All ☐ Invention Application ☒ Granted Invention ☒ Utility Model ☒ Design ☒ Others

Next Step

Check the results directly

Step 2——Optimize the structure on the DNA map according to user's understanding.

Step 3 — Select some keywords to affect the results ranking according to the similarity to the selected key words.

Step 4—Results Checking——Find out the comparison documents in the results list.

Step 5 — Comparison — Compare the DNA of the target patent with the found comparing documents little by little.

⑦ 帮助

	Claims1 ▾	CN1312091A Vaginitis treating medicine	Match Degree	Match Source
1	1、一种消炎药物,其特征是:按每1000ml产品黄芩15-25g、黄连10-20g、金银花15-25g、连翘10-20g、鱼腥草25-35g、蒲公英25-35g、制霉菌素5g、氯霉素10g、氯化可的松100-200mg、西黄药胶5-10g、植物油20-40ml的比例备好原料;	甲硝唑(62.00%)对滴虫有杀灭作用,制霉菌素(52.80%)片对白色念珠菌有抑制或杀灭作用,蛇床子(52.60%)有燥湿、杀虫、止痒作用,蒲公英有清热解毒(48.30%)、消痈散结作用,苦参(68.96%)有清热燥湿、杀虫作用,冰片(41.77%)有生肌解毒、止痒防腐作用,云南白药有消炎(67.94%)、止血、生肌、去腐作用。作为局部用药,一方面可避免全身用药的不良... <a href="#">Open</a>	67.0%	说明书017 ▾
2	将黄芩、黄连、金银花、连翘、鱼腥草及蒲公英加水煎50-60分钟,制得50-100g药液;	甲硝唑对滴虫有杀灭作用,制霉菌素片对白色念珠菌有抑制或杀灭作用,蛇床子(52.60%)有燥湿、杀虫、止痒作用,蒲公英有清热解毒(48.30%)、消痈散结作用... <a href="#">Open</a>	72.1%	说明书017 ▾
3	将西黄药胶与植物油混合,研磨2-3分钟,然后加入制好的中药药液,研磨5-10分钟制成乳状,再加入制霉菌素、氯霉素和氯化可的松,均匀后加水至1000ml制成产品。	将冰片、蛇床子、蒲公英、苦参晒干后加工粉碎成细末,将制霉菌素(54.70%)片粉碎成细末,上述细末与甲硝唑(62.00%)、云南白药按所述技术方案的比例混合后,在100-110℃下进行灭菌处理10-30分钟,即可得到... <a href="#">Open</a>	54.1%	说明书015 ▾

Conclusion for incoPat AI search.

1. IncoPat AI search is based on the technology patent DNA map technology which could help identify the invention structures, the relations between different parts and the attributes for each parts.
2. incoPat AI search can be quite helpful for invalidation search and novelty search.
3. The AI search process is easy to understand, displaying the invention as a knowledge map which matches the natural thinking mode of human beings. Users could do further process to optimize the structure on the map to make the results more relevant to their demands..
4. Currently AI search could search patents around the world. But the knowledge map step supports Chinese patents only. Data of other countries is still under processing and will be supported for knowledge map creation soon.

**Semantic Search Operator RAD/RPD — — to rank the patent results according to users demands.**

e.g. RAD=(CN1325248C) AND TI=(laminare), the search results will be patents with titles containing laminate and similar to CN1325248C and also the application date shall be earlier than CN1325248C. The results will be ranked according to the similarity to CN1325248C. RPD means patents similar to the target patent with publication dates earlier than the target patent.

### Technical Efficiency

incoPat support the statistics and analysis of technical efficiency for patents. incoPat use NLP technology, machine deep learning together with manual intervention, extract contents on function and efficiency from patents abstract, description contents, generating technical efficiency after simplification and normalization. Currently, technical efficiency data is applied for all Chinese patents.

1. Usage Scenario — — Technical Efficiency Search — — can help R&D team to quickly find out all technical proposals for a specific technology problem and improvement direction while striving to make technological breakthrough.
2. Usage Scenario — — Technical Efficiency Analysis search — — Help users to quickly grasp the

technical problems solving directions of the industry and key players of the industry which is important for IP director and R&D director. Users could use incoPat to conduct technical efficiency analysis of the key players of specific area, learn the technology direction, hotspots, blank spots in a few minutes which shall take days in old human indexing way.

3. Usage Scenario——Assist human indexing. Usually, people need to read the fulltext of patents to do technical efficiency indexing. incoPat provides the technical efficiency sentences, phrases, which can assist users to do conduct indexing more effectively.

Patents of other countries are under processing and will support this function pretty soon.

### Super Drawing

incoPat supports Super Drawing function in patent detailed page and patent results page. After opening super drawing button, the part names for each mark number on the drawing will be listed in the drawing which will help users to grasp the contents of the drawing soon. None-English patents drawings can be marked in English.

