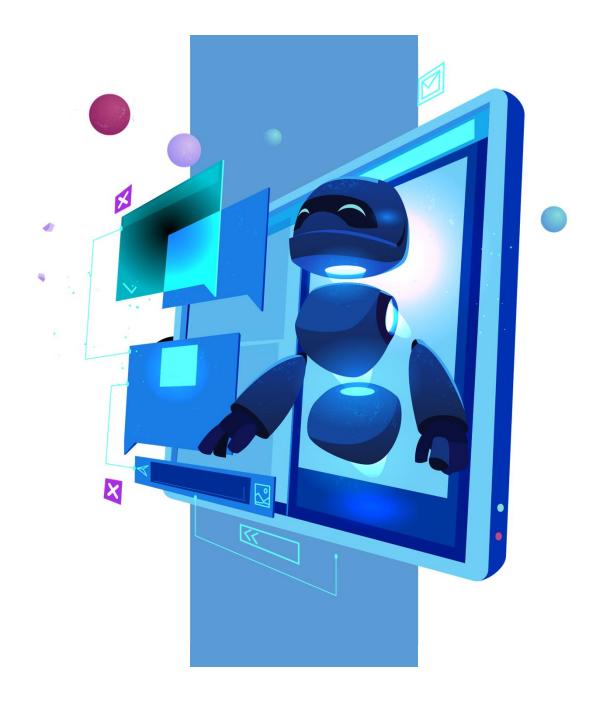


ROSPATENT'S ARTIFICIAL INTELLIGENCE INITIATIVES

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Deputy Director Federal Institute of Industrial Property





AI in IP

Automatic search quality criteria

- → **Top-20** documents are found by the system are the same the examiners have chosen as the e reasons of refusal
- → Top-20 documents which are presented in list of prior art documents (field (56))

Similarity search stages

- ightarrow BUILDING A DISTRIBUTIVE THESAURUS (special terms) using AI
- → Create a search query Extend the search query with the distributive thesaurus
 - Extract ranked list of results Rearrange the obtained list using Al

Future: Decision support system for inventions and utility models examination

- ightarrow Additional experiments on the Russian-language array on the technical areas
- → Perform a similar range of work for English-language arrays
- → Build a multilingual distributive thesaurus
- → Use structured search reports to learn the system



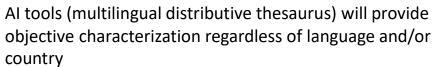
IMPACT OF AI TOOLS ON EXAMINATION PROCEDURES

Determination of prior art

TODAY MOSTLY NATIONAL PATENTS!

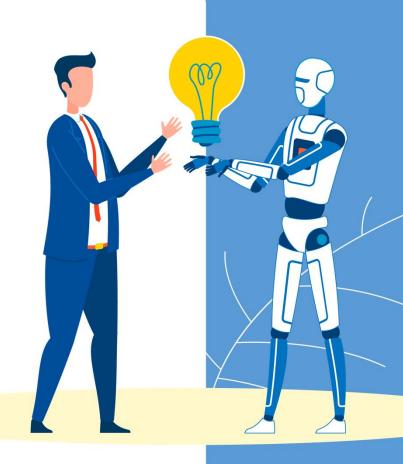






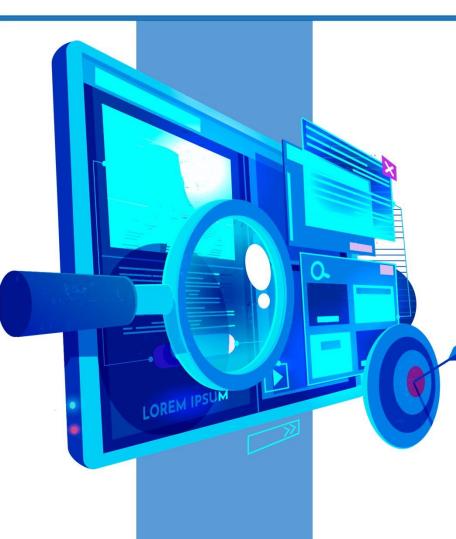
Impact of the search quality on the quality of substantive examination

- → Improvement of the automatic search quality up to 80% according to chosen criteria will allow the examiner to focus on the analysis of the invention's essence
- → Unpredictable changes in the technology of search and examination are possible





A & Q



A1.Will AI tools change examination criteria of inventions, or similarity determination of trademarks or designs?

- → Novelty will remain
- → Inventive step will remain
- → Industrial applicability will remain

A2. What impact will AI tools have on IPO administration?

"Al era":

- → Full automation of the stage of formal examination
- → The better quality of the application the less the correspondence time
- → Decrease of the examination time
- → AI will affect the commercial and IPO services market

A3. What international cooperation is necessary for IPOs to undertake in response to AI?

→ Create multilingual distributive thesaurus by the national IPOs collaboration



THANK YOU

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