



Rospatent

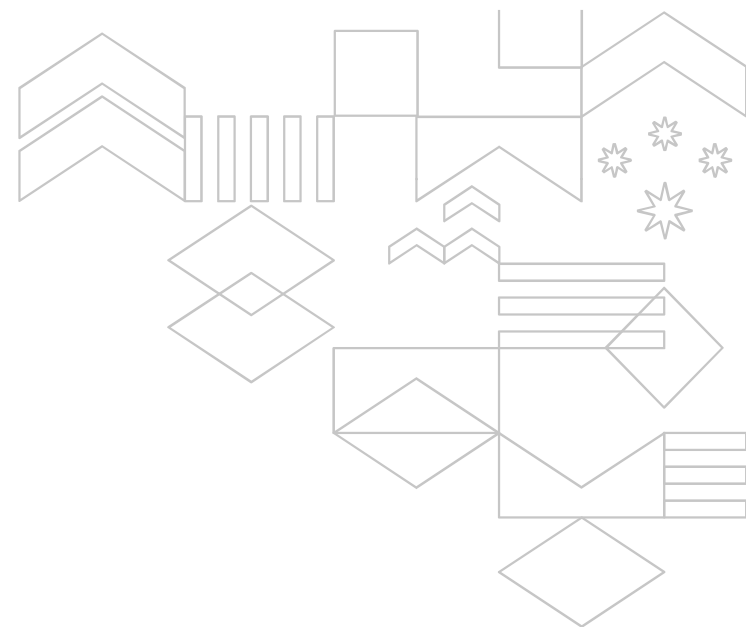
Federal Service
for Intellectual Property

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RUSSIAN APPLICANTS NAMES STANDARDIZATION

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STANDARDIZATION OF RUSSIAN APPLICANT NAMES

PREREQUISITES FOR THE ESTABLISHMENT OF A NORMALIZATION SYSTEM

Disadvantages of databases of international patent information analysis systems

- ✓ Lack of standardized names of Russian applicants, legal entities and natural persons;
- ✓ Absence of up-to-date legal status information for Russian documents (notices);
- ✓ No indication of Russian applicants' affiliation (universities, state authorities, SMEs, business entities);
- ✓ Inability to customize the system and supplement it with necessary information.

NumberOfAppli...	doc_std_name
34478	KWASENIKOV OLEG NIKOLAYEVICH
4233	SHCHEPOCHKINA JULIA ALEKSEEVNA
2013	G OBRAZOVATEL NOE UCHREZHDENIE
1747	AKTSIONERNOE OBSHCHESTVO OTKRY
1679	TATNEFT IM V D SHASHINA AOOT
1540	TOVARISHCHESTVO S OGRANICHENNO
1495	KOCHETOV OLEG SAVEL EVICH
1019	AKTSIONERNOE OBSHCHESTVO ZAKRY

Legal Form =
Educational Institution.
What is the Name?

Form of Ownership =
Open Joint Stock. What
is the Name?

Form of Ownership =
Open Joint Stock. And
part of a name. At least,
we see an affiliation –
TATNEFT. But What is the
Name exactly?

Example: incorrect provision of Russian data in PATSTAT EPO database

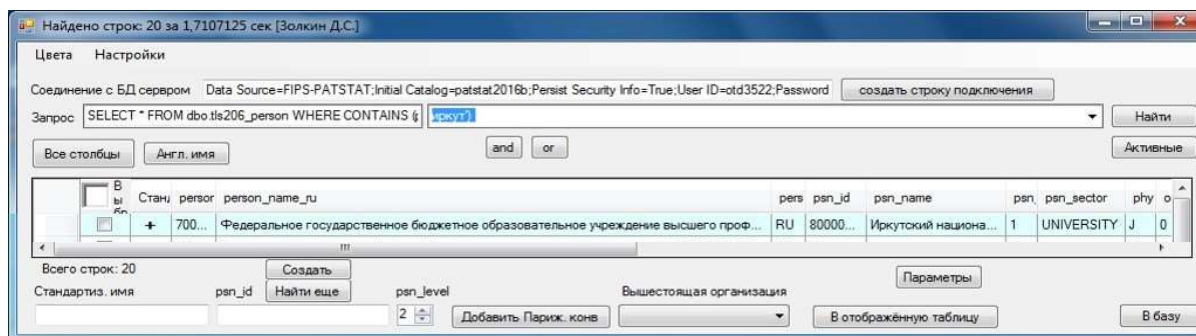
STANDARDIZATION OF RUSSIAN APPLICANT NAMES



THE TECHNOLOGY USED IN SOLVING THE NORMALIZATION TASK

Software has been developed to search, analyze and merge database table records related to the same person (natural person or legal entity)

- The analyst conducts searches based on company names and other attributes;
- They analyze the results obtained through direct and indirect attributes, assign the appropriate company affiliation and update the company's current information;
- By pressing the button, the analyst inputs missing or corrected company details into the database; original data remains unchanged, with normalized data added separately.



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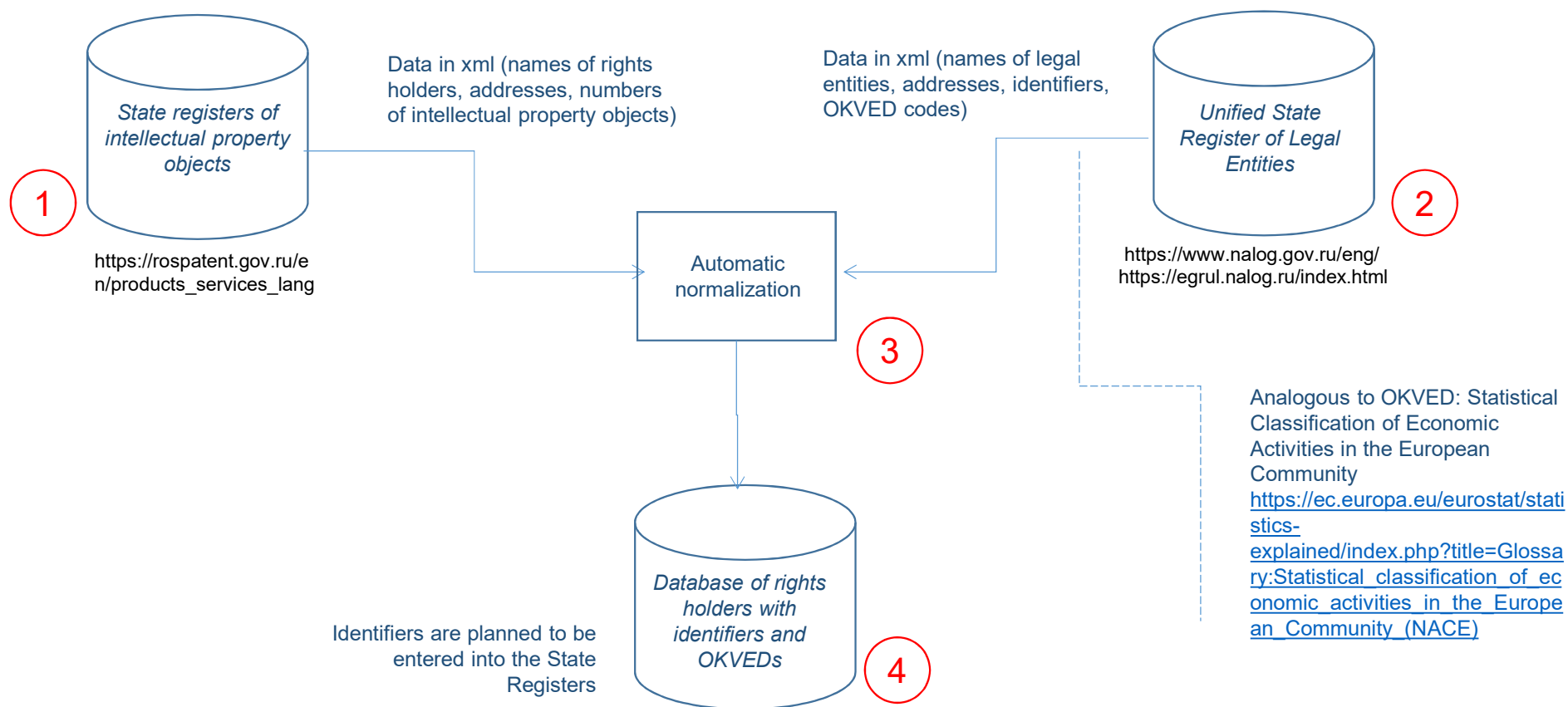
ENSURING THE NORMALIZATION OF APPLICANTS FOR NEW INTELLECTUAL PROPERTY OBJECTS

- a) Applications of Russian applicants must contain identifiers.
- b) All new intellectual property objects are registered and entered into state registers with identifiers of Russian rights holders.



STANDARDIZATION OF RUSSIAN APPLICANT NAMES

NORMALIZATION SCHEME FOR A RETROSPECTIVE DATA SET ON RIGHTS HOLDERS IN STATE REGISTERS





STANDARDIZATION OF RUSSIAN APPLICANT NAMES

USE OF NORMALIZED DATA

The Rospatent search system uses the search based on normalized data of Russian applicants. In 2025 the system is scheduled to include the search based on normalized names of international applicants.

The screenshot displays the Rospatent search platform interface. On the left is a blue sidebar with navigation links: Rospatent, Patents, Search A.I., Genetic Search, Trademarks, CP DB ICT, and Classifiers. The main content area has tabs for 'Simple search', 'Advanced search', and 'Search Assistant'. Below these is a search bar with the placeholder 'What are you looking for?' and buttons for 'Search' and 'Translation'. There are also links for 'EN', 'RSS', 'A+', 'A-', 'REFERENCE', and 'Login'. The search criteria section includes fields for 'Document number', 'Date published from', 'Publish date to', 'Author', 'Patent holder', 'Patent holder normalized' (containing 'GAZPROM'), 'Applicant', and 'Applicant normalized' (containing 'GAZPROM'). The 'Patent holder normalized' and 'Applicant normalized' fields are highlighted with orange boxes. To the right of the search criteria is a 'Search arrays' section with a list of checkboxes: 'Russian Federation and members of CIS', 'RST', 'Industrial designs', and 'Other countries'. Below this list are buttons for 'Select all' and 'Remove selection'.

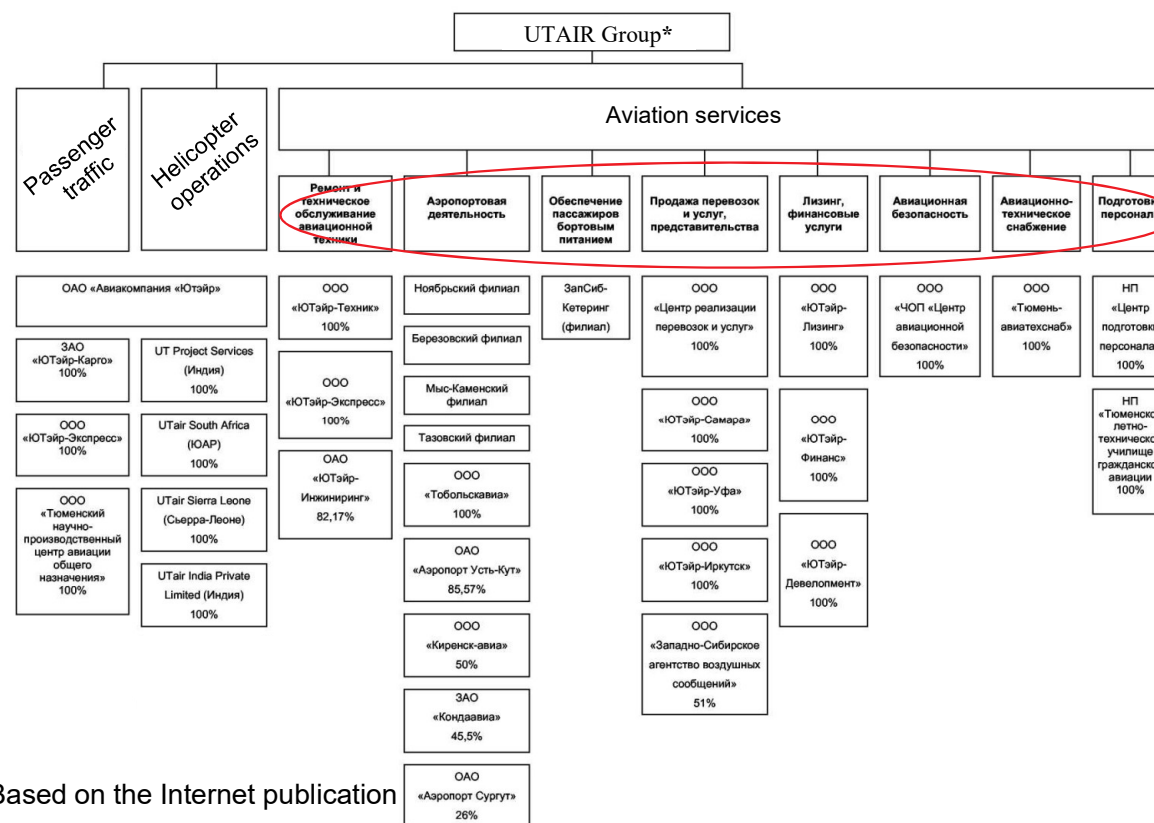
Example. Search by normalized data on the Rospatent Search Platform

STANDARDIZATION OF RUSSIAN APPLICANT NAMES

HIERARCHY AND SUBORDINATION OF COMPANIES



Performing normalization of names alone is insufficient to conduct an in-depth analysis, therefore, the normalization process includes establishing the subordination and hierarchical level within the companies.



aviation services' areas of activity

subordinated & affiliated companies

*For demonstration purposes only. Based on the Internet publication



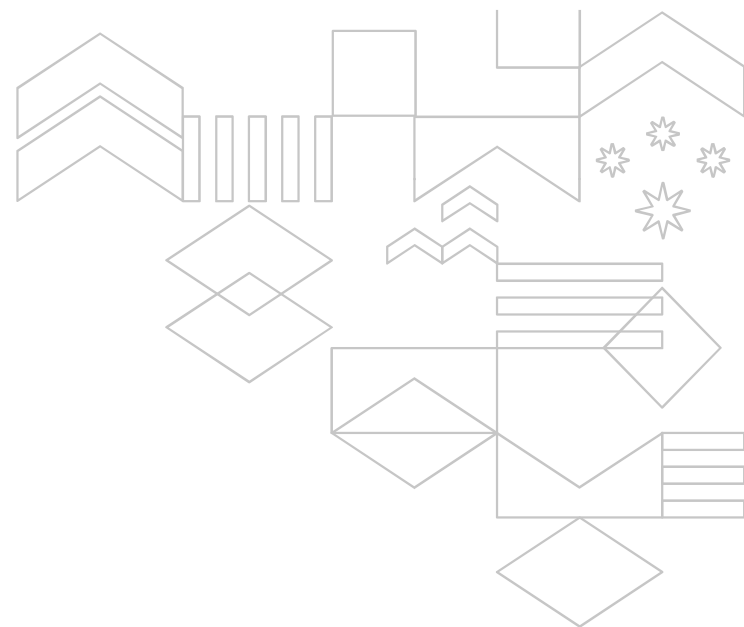
CONCLUDING REMARKS

- Applicant name normalization is crucial for many tasks faced by patent offices
- Performing normalization of names alone is insufficient to conduct an in-depth analysis, therefore, the normalization process includes establishing the subordination and hierarchical level within the companies
- In the Rospatent system the normalization of applicants' names has been carried out for over 10 years using two approaches:
 - manually, with the use of human-machine interface
 - automatically, based on officially assigned identifiers and state registers of legal entities
- The approaches used are consistent with the general recommendations proposed in the draft standard being developed by the task force on name standardization
- The “Online Rospatent” information system provides a unified personal account for applicants, which accumulates applications filed using various filing methods
- Rospatent closely monitors the WIPO Global Identifier project and will use the results obtained from this and similar projects to supplement the Rospatent database with identifiers of international applicants
- The assignment of holding structures to Russian companies is a development in the direction of data normalization



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THANK YOU FOR ATTENTION

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