NAME STANDARDIZATION:
PRACTICE OF THE FIPS PROJECT OFFICE

Nikolay Popov
Deputy director of the project office
Russian Patent Office, Federal Institute of Industrial Property
RU publications

1) cyrillic names: coverage and specifics
2) russian companies names
3) non-residents (re)transliteration
4) inventor names
5) name genderization
6) identifiers: application form
7) name standardization experience: RU organizations
8) name standardization experience: RU Universities
9) large company patent portfolio harmonization experience
Cyrillic names coverage

1) Soviet Union (1924–1993) – 1,2 million docs
2) Russian Federation (1994–present) ~800K docs
3) CIS countries (2002–present) – 220K docs
“How would you clean this (if you are not Russian??)"
Russian companies names: structure

- ГОСУДАРСТВЕННОЕ НАУЧНОЕ УЧРЕЖДЕНИЕ СИБИРСКИЙ НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ И ПРОЕКТНО-ТЕХНОЛОГИЧЕСКИЙ ИНСТИТУТ ПЕРЕРАБОТКИ СЕЛЬСКОХОЗЯЙСТВЕННОЙ ПРОДУКЦИИ СИБИРСКОГО ОТДЕЛЕНИЯ РОССИЙСКОЙ АКАДЕМИИ СЕЛЬСКОХОЗЯЙСТВЕННЫХ НАУК ГНУ СИБНИПТИП СО РОССЕЛЬХОЗАКАДЕМИИ RU

interpretation:

<table>
<thead>
<tr>
<th>Name</th>
<th>Legal organizational form</th>
<th>Full name</th>
<th>Parent company</th>
<th>Short name / abbreviation</th>
<th>Named after smb</th>
<th>Country code</th>
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<td>ГОСУДАРСТВЕННОЕ НАУЧНОЕ УЧРЕЖДЕНИЕ</td>
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Non-residents (re)transliteration

Rupto.ru:

transliteration:

Espacenet:

retransliteration:

Original:

(71) Applicant(s)
University of Florida Research Foundation, Inc.; The Government of the United States of America As Represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention; Cornell Research Foundation, Inc.
Inventor names

Structure:

- surname + first name + patronymic
  - Попов + Николай + Васильевич
  - Popov Nikolaj Vasilevich

Before 1999:

- Попов + Н. + В.
- Popov N. V.

Utility models.

transliteration rules:
Name Genderization

gender dynamics of RU inventors (10 years period)

patronymic name rules:

male

female

errors no more than 0,01%

<table>
<thead>
<tr>
<th>Country code</th>
<th>number of unique inventors</th>
</tr>
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<tbody>
<tr>
<td>RU</td>
<td>224 575</td>
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</table>

male | 166 266 | 74.036% |
female | 58 309 | 25.964% |
### Applicant Identifiers

<table>
<thead>
<tr>
<th>IDENTIFIKATORY ЗАВИТЕЛЯ</th>
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<td>СНИЛС</td>
<td>Insurance Individual Account Number</td>
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<td>ДОКУМЕНТ (серия, номер)</td>
<td>Passport</td>
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<tr>
<td>КОД СТРАНЫ (если он установлен)</td>
<td>Country Code</td>
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**before 2010 only**

“Main State Registration Number”

**only internal use, mainly for tax considerations**
Name standardization experience: RU organizations

• ~5 000 unique RU organization names based on key word approach
• legal organizational forms marked
• categorization: government/commercial, universities/science institutes, SME, healthcare, military, religious etc.
• unified search query for monitoring through inventions, trademarks, designs databases
• region attribute, post code

~500 organizations have patent portfolios >100 patents,
~3K organizations – 5 and more patents
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**Ру organizations table:**

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Name standardization experience: all RU universities

- detailed manual harmonization
- ~100K patents
- 535 unique universities names
- unified search query for monitoring through inventions, trademarks, designs databases
Large company patent portfolio harmonization experience: Russian railways

• 1) primary patent portfolio analysis
• 2) number and dates gathering
• 3) corporate tree search: subsidiaries and associates (40 companies)
• 4) secondary publications gathering: notifications, legal events
• 5) patent families gathering
• 6) legal state refinements based on primary sources (registers, bulletins etc.)

Current patent portfolio of the Russian Railways updated for 1000 active patent families
Nikolay Popov
Deputy Director of the project office
Russian Patent Office, Federal Institute of Industrial Property
E-mail: popov@rupto.ru