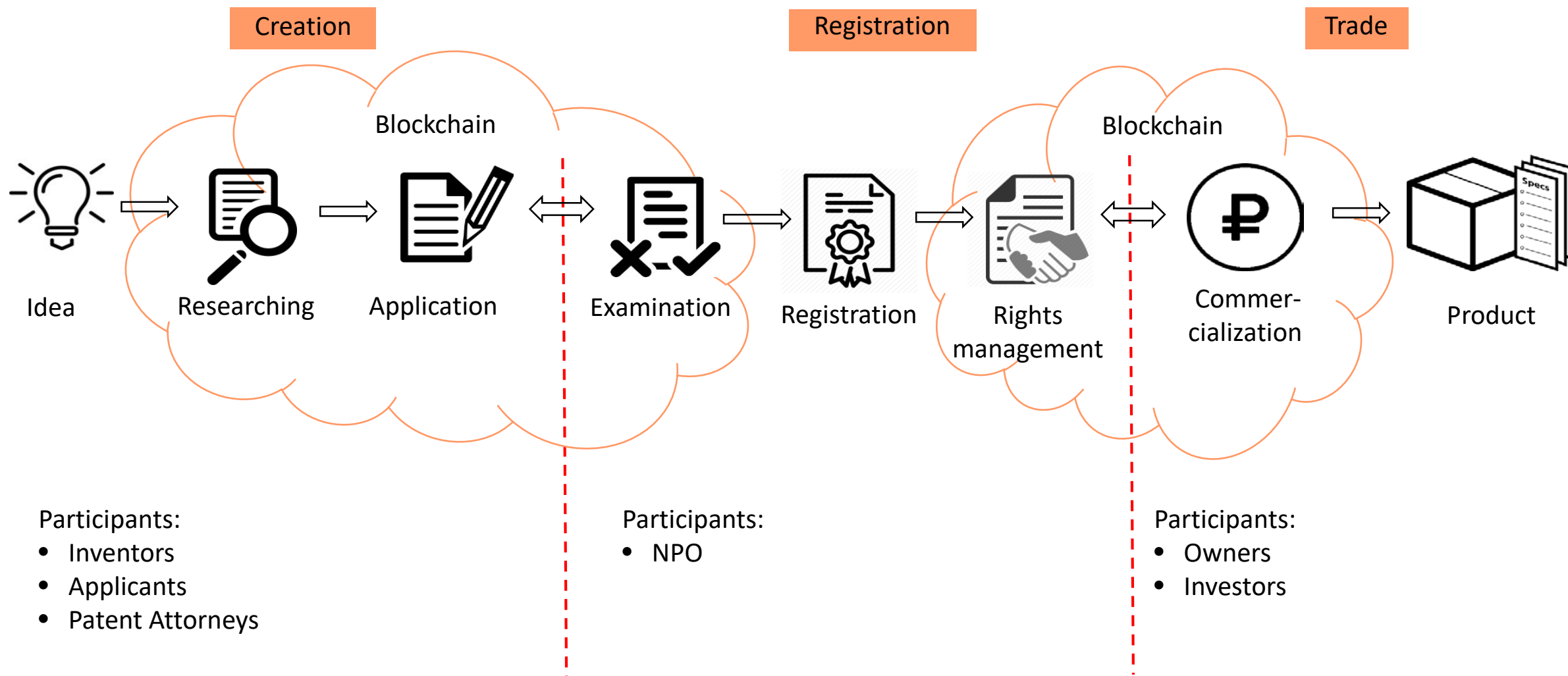


WIPO Standards Workshop on Blockchain

Blockchain products/services for Intellectual Property

Mr. Ilya Kononenko
Head of IT Division
Rospatent/FIPS

IP rights creation chain



Blockchain in IP in Russia



Publishing information

In product since October of 2019

- Software and Databases
- Already published information only
- Only posting information, no services for end users are within the scope of the project



IP Rights management

Prototype – November of 2018

- Trademarks
- Transfer of rights or Licensing
- For legal entities within the project only

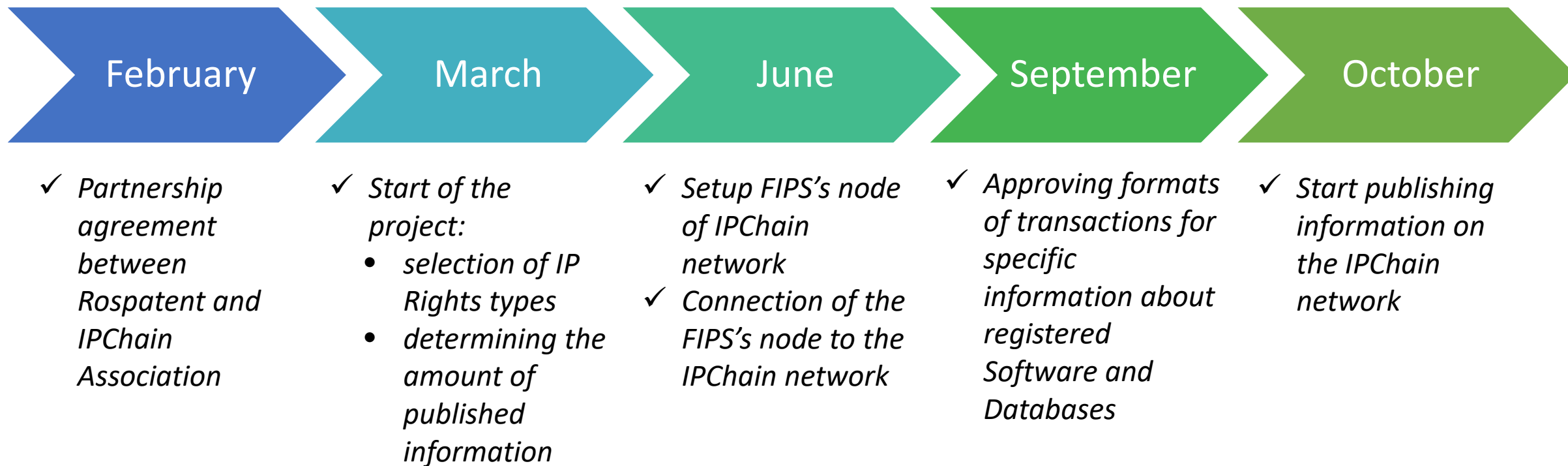
Information publishing project

Main goals

- Add a new channel for dissemination of the information about IP rights
- Provide the accuracy and immutability of disseminated information
- Give the opportunity to use the information in a formalized form for the development of the new services
- Receive one more channel for e-filing

Information publishing project

Main milestones in 2018

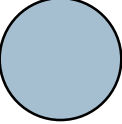
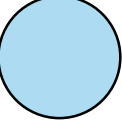
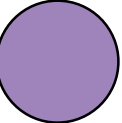
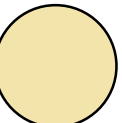
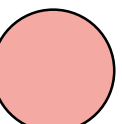
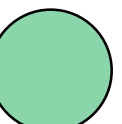
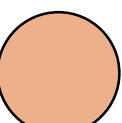


IPChain network

- Based on Hyperledger Fabric
- Nodes:

| | | | |
|----|------------------------------|----------------|-----|
| 0 | peer-1.ipchain.ipchain.ru | Moscow | RUS |
| 1 | peer-2.ipchain.ipchain.ru | Moscow | RUS |
| 2 | peer-1.rao.ipchain.ru | Moscow | RUS |
| 3 | peer-1.sk.ipchain.ru | Moscow | RUS |
| 4 | peer-1.nris.ipchain.ru | Moscow | RUS |
| 5 | peer-1.sip.ipchain.ru | Moscow | RUS |
| 6 | peer-1.polytech.ipchain.ru | St. Petersburg | RUS |
| 7 | peer-1.ipb.ipchain.ru | Moscow | RUS |
| 8 | peer-1.fips.ipchain.ru | Moscow | RUS |
| 9 | orderer-1.orderer.ipchain.ru | Moscow | RUS |
| 10 | orderer-2.orderer.ipchain.ru | Moscow | RUS |
| 11 | peer-1.vois.ipchain.ru | Москва | RUS |
| 12 | peer-1.fonmix.ipchain.ru | Москва | RUS |

IPChain transactions

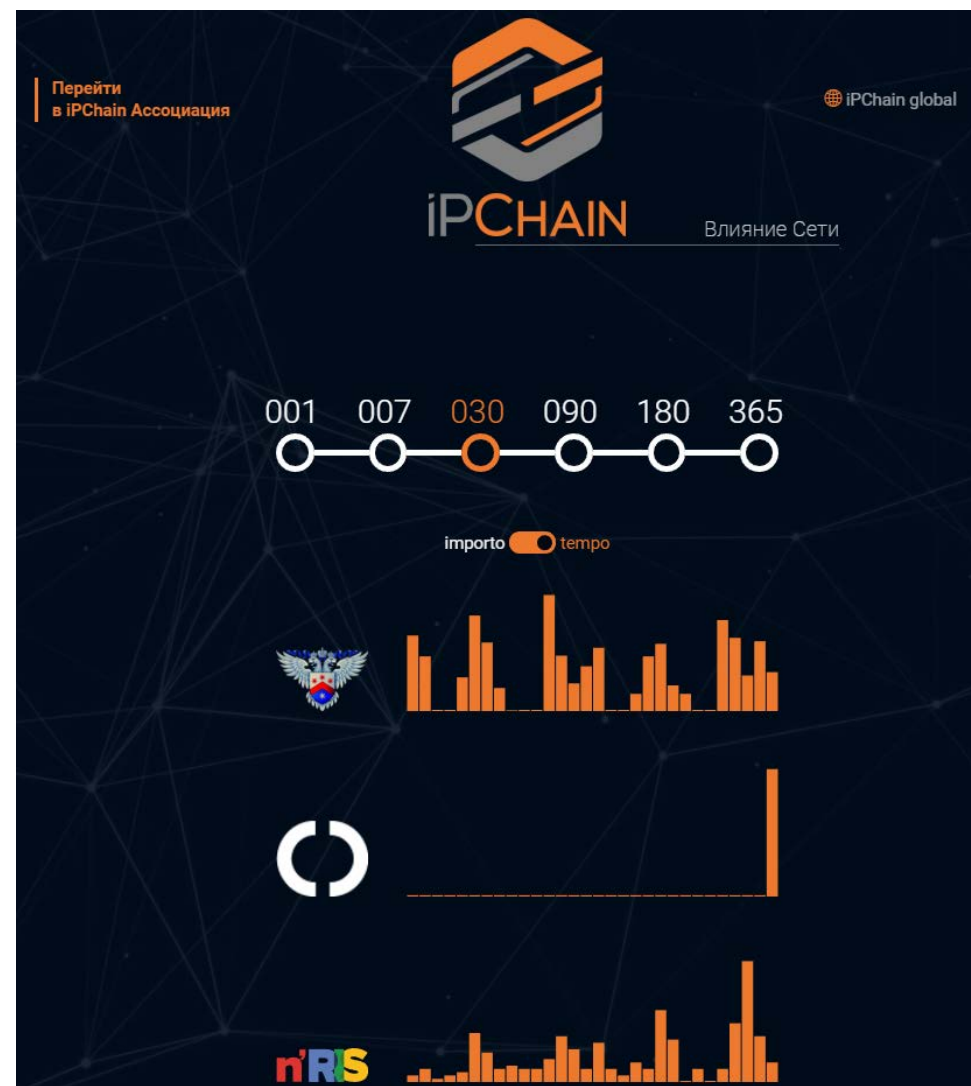
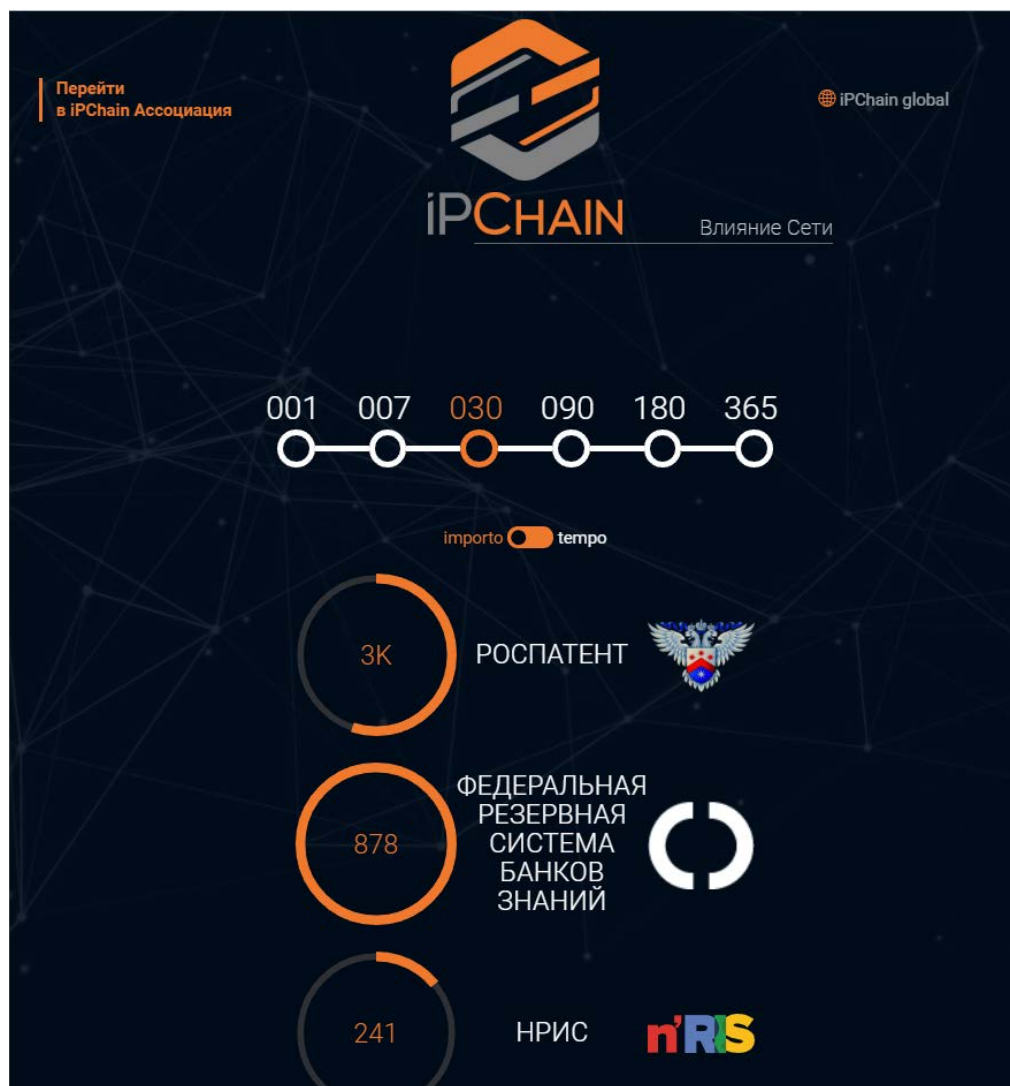
-  Creazione - creating a new IP object, the method of its creation, and the IP objects used
-  Accesso - the IP object access mode and the IP object's owner
-  Garanzia - performance of actions that add extra legal guarantees when using IP objects, such as different kinds of mandatory or voluntary expert assessment
-  Valore - occurrence or settlement of a dispute (conflict)
-  kOnflitto - occurrence of the value of the object, information on its valuation or use in the financial statements
-  Transazione - commencement or completion of a deal (contract) with IP rights
-  ContRatto - Smart contract

Transactions for specific information

```
#Creazione
#transactionID = a0ecc3715473585970a9f87db349a75f7daeb633323aeceb51e3ea7cee743b03
{
  "crCodes": [1],
  "nameIP": "Программный комплекс \"Автоматизированная Система Управления Городским Парковочн
  Пространством\" (ПК \"АСУ ГППэ\") / Software package \"Automated Management System Of Urban
  (SP \"AMS UPS\")\",
  "typeIP": "программы для электронных вычислительных машин (программы для ЭВМ)",
  "description": "Программный комплекс предназначен для администрирования парковочного прост
  определенной территории. Предназначен для работы с Автоматизированной Системой Управления
  Парковочным Пространством. Программный комплекс обеспечивает выполнение, в том числе, след
  (i) обработка запросов пользователя; (ii) добавление/редактирование/мониторинг объектов па
  пространства, поиск и отображение объектов; (iii) вывод статистики в графиках; (iv) форми
  (v) добавление/редактирование шаблонов, программ лояльностей; (vi) загрузка абонементов и
  просмотр истории платежей; (viii) интеграция паркоматов с системой; (ix) отправка смс клие
  профиля пользователем; (xi) интеграция со сторонними программными комплексами; (xii) получ
  соответствующих сведений.",
  "created": "2016-07-14",
  "trOthAttr":
  {
    "lang": [ "C# . NET" ],
    "compType": "IBM PC-совмест. ПК",
    "os": [
      {
        "name": "Windows Server",
        "version": "2012"
      },
      {
        "name": "Windows Server",
        "version": "2012 R2"
      }
    ],
    "softwareSize": "54 835 390"
  }
}

#Accesso
{
  "actorIP": [
    {
      "name": "Мариничев Сергей Владимирович",
      "type": "Автор",
      "ipRights":
      {
        "territory": ["RU"],
        "rights": "авторские права",
        "dateFrom": "2016-07-14",
        "contributionWeightByType": 12.5,
        "orgID": "REPLACE! идентификатор права в ИС ФИПС"
      },
      "status": "физическое лицо",
      "orgID": "REPLACE! идентификатор персоны в ИС ФИПС"
    },
    {
      "name": "Степаньков Владимир Юрьевич",
      "type": "Автор",
      "ipRights":
      {
        "territory": ["RU"],
        "rights": "авторские права",
        "dateFrom": "2016-07-14",
        "contributionWeightByType": 12.5,
        "orgID": "REPLACE! идентификатор права в ИС ФИПС"
      },
      "status": "физическое лицо",
      "orgID": "REPLACE! идентификатор персоны в ИС ФИПС"
    }
  ]
}
```


Influence on the IPChain Network



Development prospects

- ✓ Add a new types of IP Rights
- ✓ Add more information about IP Rights (legal status, notifications and etc.)
- ✓ Provide possibility of e-filing from IPChain network
- ✓ Provide new services with information about IP Rights in IPChain network

Thank you for attention!

Mr. Ilya Kononenko
Head of IT Division
Rospatent/FIPS