



16th WIPO PatCom Meeting, Geneva

Date of Meeting: February 15, 2018

1_ Welcome by the Chair of the Meeting

Mr Yo Takagi (YT) welcomed PatCom to the meeting, and introduced WIPO's work on IP information policy, in particular he emphasised that one of WIPO's goals is data; data quality control and data dissemination. YT said he would talk about three issues, namely 1) IP Policy, 2) Big Data and AI and 3) ITC.

1.1 IP Policy: At the General Assemblies meeting in September 2017 a decision was taken to make WIPO the centre of an IP focussed knowledge network, which facilitates knowledge sharing, provides enhancements to the original data, which leads to improved information, and leads to creativity and better IP intelligence. WIPO stake holders for the knowledge network are the 196-member states who curate raw IP data, the Judiciaries, and the administrators of WIPO IP systems: The Hague, PCT and Madrid. WIPO already makes available data on the case law and jurisprudence of its member states, and also information relating to the laws, regulations, and economic data of each country. WIPO has extended its patent information policies to include the other IPRs, through the Global Innovation Index, WIPO's IP Indicator publications, including geographic indications, these are all published in the annual IP Report. WIPO have noticed some changes in the global supply chain, which are reflected in the IP data. WIPO are planning to publish a new set of patent landscape reports. Another noteworthy trend is in Big Data and AI, and WIPO is planning a Workshop on this subject to be held in May.

1.2 Big Data and AI: Two major themes are emerging a) Impact of Internet of Things / Industrie 4.0 on IP from both the administrative angle (robotic analysis of IP information) and b) the legal implications of Artificial Intelligence (AI) driven inventions. Could they be patented? Who would be the inventor? Similarly, the EPO is holding a meeting in May on this topic. WIPO perceives that AI could potentially assist in the IP offices by assisting the examiner, and increasing productivity and efficiency. http://www.wipo.int/meetings/en/details.jsp?meeting_id=46586

1.3 1.3 Future investments in ITC: WIPO plans to spend CHF20m over 5 years which will be spent on the IP systems administered by WIPO.

YT took some questions from PatCom:

i) on availability of data in XML– sequence and structure data will all be available in XML by 2022 and it will be machine searchable, the meta data, including search reports and applicant data, will be in XML. The PCT dossier will also be made available in XML.

ii) A special unit for AI is planned - the Advanced Technical Publication Centre. Christophe Mazenc (CM) informed the group that a survey on AI has been issued, 35 offices have responded. The survey results will be presented, and the subject of AU and ICT strategies will be discussed at a meeting at WIPO in June.

www.wipo.int/edocs/mdocs/mdocs/en/wipo_ip.../wipo_ip_itai_ge_18_inf_1.pdf

2_ Introductions

The new member from PatCom introduced themselves to the meeting.

3_The minutes of the 2017 meeting were approved

4_No points were arising from the last meeting

5_Young-Woo Yun (YWY): Standards Development

Presented an update on the CWS meeting of 2017, describing the new standards which are under development e.g. for data exchange of nucleotide and sequence listing information, and the surveys which are ongoing. WIPO maintains 55 standards, these must all be revised and updated as required. A new standard - St27 - on the exchange of patent legal status information has recently been adopted in June 2017. WIPO is inviting IP offices to provide a mapping table between ST.27 legal status events and national/regional events; six offices including CA, GB, EP have so far provided their events data. The XML schema for the patent legal status data should be available by 2019. Authorities will be transitioning from St.25 to St.26. in January 2022; WIPO is developing the ST.26 authoring and validation tool which will be used by applicants and IP offices around the world. Further CWS tasks include preparation of a schema for geographical indications, copyright orphan works, applicant name standardization, most likely is to use an ID other than name. EPO and KIPO are working together on the normalization of applicant names. The focus is on companies with recognisable legal entities, e.g. Ltd., plc, Co. Inc, Corp, S.A., GmbH. The applicant data itself will not be changed, a new data point will be created. WIPO would like to involve PatCom at some stage, given the vast experience of the group in dealing with this matter. The priority order for WIPO is 1) legal status , 2) applicant name.

See the slides: *StandardsDevelopment_PatComMeeting_2018-02-15.pdf* for more information.

Discussion points: (PatCom) Commercial providers also need access to all of the new types of IP data, commercial customers (e.g. the biggest applicants such as PDG members) require this. If WIPO are developing an API for sharing the data, this could be an access route for commercial vendors to access the data too. WIPO and PatCom agreed that the best way for PatCom to be involved with the development of WIPO standardization activities and how to access relevant CWS Task Forces is through obtaining WIPO Observer status

Action: Sandrine to send Jane information on how to obtain observer status. (Done)

6_Ning Xu: Classification planning

New IPC classes are being introduced for certain technologies, e.g. semiconductors. There will not be 'tag' classes, but formal sections in the main IPCs. e.g. class G16 and sub-class G16H for healthcare informatics. This year (IPC 2018.01) there are 1057 new classes, 1008 deleted classes, 1096 changed classes. For AI an Experts Group (EG) has been established by the IPC Committee of Experts and the EG was invited to recommend the best route for incorporating AI within the IPC intellectually. In future, the IP5 offices will work actively in this EG. The IPC Working Group meets in April 2018.

Discussion points: PatCom suggested that classification look up tools would be helpful and requested documentation and notification on planned changes to the IPC. WIPO is publishing a revision concordance list (RCL) on July 1, when making available the earlypublication of the new version of the IPC.

7_and 8_Christophe Mazenc and Iustin Diaconescu: WIPO Data Products

Patentscope developments – new content, new functionality, new help tools and translation news were presented. On Chemical search functionality – only the IPCs relevant for chemistry are indexed, additional authorities' data is being processed to be completed at the end of Q1 2018, front file and back files. The next planned enhancement is to add sub-structure search drawing facility to define structure w/out name. For US and PCT inline images are also parsed. Polymers are not searchable. A subscriber service for

Patent_translate is to be trialled by Q2 2018. The subscription service will be for large clients only, and charging will be based on cpu volume / cloud / server size. The complete archive of PCT Gazettes are also going online. All gazettes can be downloaded as .csv file. Since 1/7/2017 it has been compulsory for national phase entries to be recorded. This data will be in PatentScope and available by ftp weekly. In PatentScope 'Detail View' search reports will be provided in XML, but in the first instance, not as searchable data. The tender for provision of NPL for PatentScope will be published shortly. ***(JL Comment - NB: This is now live until 1/4/2018).***
(See the presentations: patcom2018.pptx and patcom2018_lustin.pptx)

9_Christophe Mazenc: Accessing New Data

WIPO works with offices to help them create data, and each office chooses how to disseminate the data. Within the next 12 months WIPO are expecting to get new full text data from some countries. India is now using WIPO CASE, which creates data which the offices share.

10_AOB:

PatCom asked what WIPO are doing wrt. GDPR. Answer – This is an EU ruling, PCT will not change. The national offices will make their own decisions. What takes priority the citizen or the data? WIPO may need to redraft the licence agreements.

Translation questions: The nMT process is retrained every 6 months. It is easier to update than statistical translation engine. The nMT achieved high bleu score. This is based on 1,000 sentences of text, rather than a complete document. Scientific documents are used for training. The nMT algorithms are domain aware (based on IPC). Patentscope clusters the results, mMT presents the 5 best options for a word in the target language, no synonyms. PatCom raised the issue of obtaining data from new offices with WIPO's assistance. WIPO answered that there is a MoU between WIPO and the national offices where selling data can be permitted. PatCom requested to view the MoU. PatCom also offered to provide an explanation outlining how the PatCom members would disseminate the purchased data. It may be that this would help the new countries to understand the purpose. A pricing scheme could also be created.

Date of Next Meeting: **Thursday 7th February 2019**

Jane List, Cambridgeshire, 18th March 2018

Attendees PatCom:

- Armin Foerderer (Treasurer)
- Ann Chapman (Acting President)
- Jurjen Dijkstra, LNU
- Aurélie Brunet, Questel
- Josef Eiblmaier, InfoChem
- Paul Peters, CAS
- Jane List (Secretary)

For WIPO Attendees see Agenda below.

Proposed Agenda for PatCom-WIPO Meeting (Room J. Bilger, AB Mezzanine – 10.00 to 13.00)

1. Welcome by the Chair of the Meeting
Mr. Yo Takagi, Assistant Director General
2. Introductions (if needed when new members present)
Ms. Sandrine Ammann, Marketing and Communications Officer
3. Confirmation of Approval of the Minutes of the 15th Meeting
Ms. S. Ammann
4. Points arising from the last meeting
Ms. S. Ammann
5. Standards development
Mr. Young-Woo Yun, Head, Standards Section
6. Classification planning and developments within the IPC
Ms. Ning Xu, Head, International Patent Classification Section
7. WIPO Data Products:
Mr. Christophe Mazenc, Director, Global Databases Division
Mr. Iustin Diaconescu, Head, Patent Database Section
8. Updates on PATENTSCOPE:
 - a) new functionality planned for PatentScope
 - b) new content, e.g. national or regional collections
 - c) chemical structure search
 - d) new languages planned for WIPO Translate
 - e) new translation engineMr. C. Mazenc
Mr. I. Diaconescu
9. Accessing new data
Mr. C. Mazenc
10. Any Other Business
Ms. S. Ammann
11. Date of next meeting
Ms. S. Ammann

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