Recent development

of International Classifications

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Overviews

- IPC
- Nice
- Locarno
- Vienna

Impact of Covid-19 Pandemic

- IPC/WG/43 & WG/44 – Canceled

- Intensive electronic Discussions & Approvals via IPC E-forum

- A "consensus"-based procedure for an enhanced electronic discussion and approval – proposed by the IB & supported by the WG
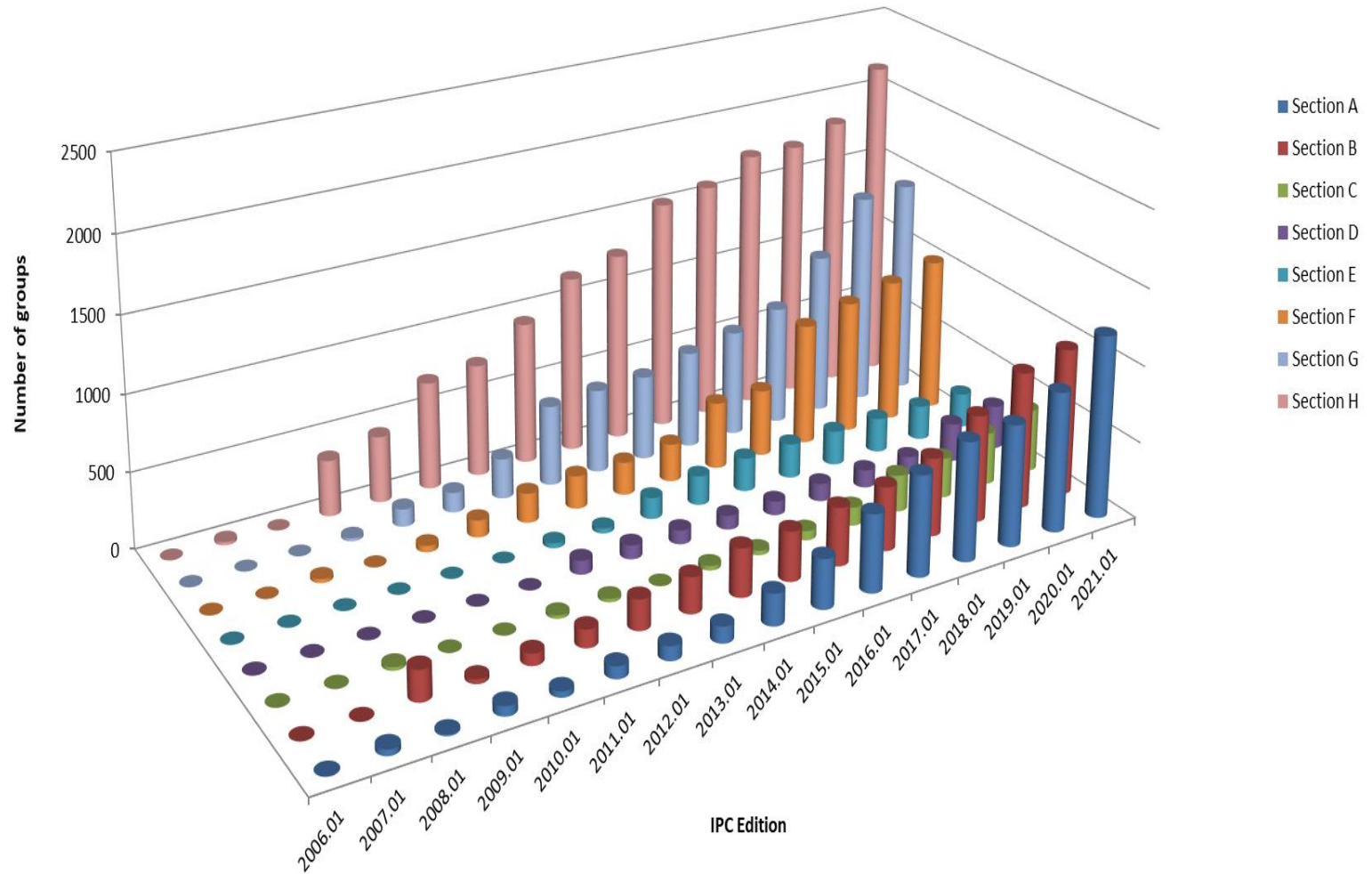
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IPC 2021.01

- Available as Early publication at IPCPUB
- Entry into force in Jan. 2021
- 1806 amendments, including 969 new subdivisions

IPC 2021.01

- The evolution this year clearly indicates that technological developments are intensified in the field of physics, in particular, Information and Communication Technology(ICT) (Sections G&H)

- New groups in the following fields to accommodate applications in relation to new technologies.

  - Security arrangements for wireless communication networks

  - Cordless telephones

  - Additive manufacturing of work pieces or articles from metallic powder

Evolution of number of IPC groups per section

IPC/CE (Committee of Experts)

- 52nd session was held in February

- H01L (Semiconductor technology)

- Project for handover of reclassification working lists management from the EPO to WIPO

- Exchanged experiences of IP Offices on computer assisted(ex. AI-based) classification

Semiconductor (H01L)
(Overly complex areas)

- Expert Group (EGST) was established at CE48 in 2016 to address overly complicated and deeply subdivided structure

- New class(es) approach was decided at CE51

- First physical meeting was held based on the above approach in May 2019

- Five physical meetings & one virtual meeting had been held in conjunction with IPC/WG up to now

- First revision project from the EGST expected in 2021

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IP5/WG1 (Working Group on Classification)

- ■ Two virtual technical sessions were held in March and Oct. 2020 due to the pandemic

- ■ Promotion of IP5 projects to IPC phase:

  5 projects at the spring virtual session

  4 projects at the autumn virtual session

- ■ New Emerging Technologies

  Artificial Intelligence (AI), Intelligent Robots,

  Unmanned aerial vehicles, etc.

Cross lingual IPCCAT

IPCCAT-neural at IPC subgroup level is now cross lingual in 10 languages

October 4, 2019

With the new **cross lingual IPCCAT-neural**, system for automatic text categorization in the IPC, it is possible to perform automatic classification in the IPC at subgroup level through submission of text which can now be either in **Arabic, Chinese, English, French, German, Japanese, Korean, Portuguese, Russian or Spanish,** and get an accuracy of the predictions similar to the one in English, i.e. **84%** for top-three IPC guesses among **73,633** symbols.

IPCCAT-neural combines approximately 8,000 neural networks, 30 million excerpts of patent documents in English already classified (from the "WIPO EN Delta" dataset) and "WIPO Translate" services to predict the most relevant IPC symbols with an indicative confidence level for each of them.

IPCCAT-neural is available through the IPCPUB user interface or using corresponding web service, as documented under IPCPUB on-line help.

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Cross-lingual IPCCAT
(through IPC PUBlication platform)

Nice Classification
Impact of Covid-19 Pandemic

- CE30 not convened as planned

- Introduction of adoption by unanimous support through E-voting as an emergency measure; all non-adopted proposals carried forward to next session

- Consultation process with Nice Union members led to such a measure – proposed by the IB & supported by majority of Contracting Parties

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Nice Classification
Impact of Covid-19 Pandemic (contd.)

- 518 proposals submitted to CE30

- 132 proposals <u>unanimously</u> adopted by E-voting from 32 participating Offices

- 386 proposals carried forward to next CE session

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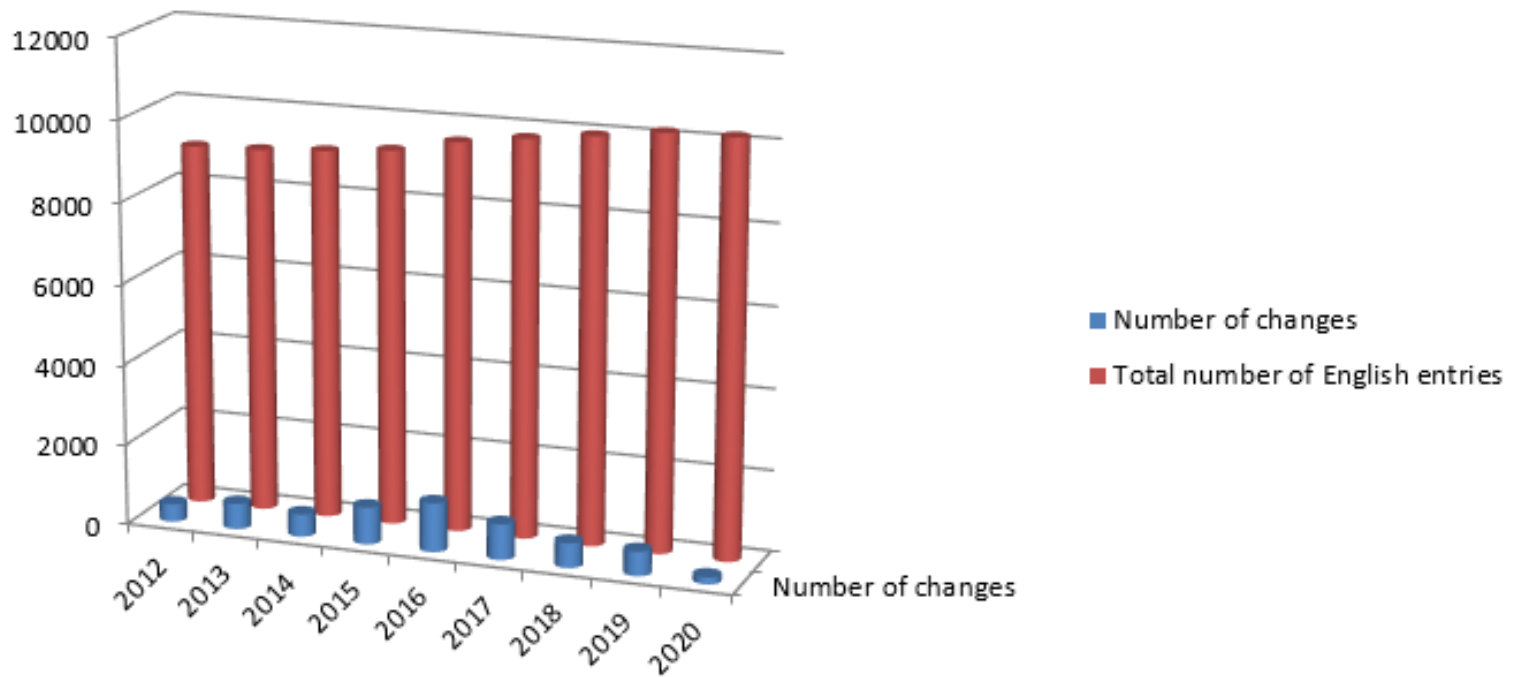INTELLECTUAL PROPERTY
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NCL (11-2021)

- 11th edition from Jan 2017
  - 12th edition foreseen Jan 2022
- E-voting April 2020
- Available as Early publication at NCLPUB Jun 2020
- Entry into force in Jan 2021

NCL (11-2021)

- 172 modifications including 63 new entries
  - Harmonization of translations
  - Class Heading and Explanatory Notes revision in 7 classes

NCL (11-2021)

Future development of Nice Classification

- Nice Classification Revision Management System (NCLRMS)
- Preliminary Electronic voting
- Proposals from MGS (Madrid Goods and Services Manager)

LOC (13)

- 14th CE meeting Nov 2019
- Available as Early publication at LOCPUB Jun 2020
- Entry into force of LOC(13) in Jan 2021
- 15th CE meeting foreseen Q4/2021

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Future development of Locarno Classification

■ Locarno Classification Revision Management System
(LOCRMS)

■ Preliminary Electronic voting

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VCL (8)

■ 8th CE meeting Feb 2021 (postponed from Nov 2020)

- Proposals available Dec 2020 on Vienna E-Forum

- 160 Proposals submitted

- Planned discussions on future development following Questionnaire conducted in 2018

■ Entry into force of VCL(9) in Jan 2023 (tbc)

Thank you for your attention !

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