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THE FOURTH INDUSTRIAL REVOLUTION (4IR OR INDUSTRY 4.0)\(^1\) is a new era driven by technologies encompassing the Internet of Things (IOT), cloud computing, Artificial Intelligence (AI), etc. More than 5,000 patent applications for inventions relating to autonomous objects were filed at the EPO in 2016 alone and in the last three years, the rate of growth for 4IR patent applications was 54%, outpacing the overall growth of patent applications in the last three years of 7.65%. Connectivity and the application domains Personal and Enterprise have attracted the largest numbers of such patent applications so far, while the fastest-growing fields are 3D systems, AI, and User interfaces.

THE UNITARY PATENT SYSTEM\(^2\): The EU regulations establishing the Unitary Patent System (No 1257/2012 and No 1260/2012) entered into force on 20 January 2013, but only apply from the date of entry into force of the UPC Agreement, that is, on the first day of the fourth month following the deposit of the 13\(^{th}\) instrument of ratification or accession, and linked to the creation of the Unified Patent Court\(^3\), which will have jurisdiction over Unitary Patents and "classic" European patents. The participating Member States are currently working under the assumption that the Unitary Patent will become operational during the course of 2018\(^4\). Before a Unitary Patent can be registered by the EPO, the applicant must first obtain a European patent. A European patent application must therefore be filed and processed under the EPC in the same way as today\(^5\). A Unitary Patent will be less expensive than a European patent validated and maintained in four of the 26 Member States participating in the Unitary Patent system, four being the average number of those countries in which European patents are validated at present\(^6\). The European Patent Office has completed an internal reorganization to enhance the efficiency of its patenting process by fostering the timeliness of the patent granting procedure for users and contributing to higher quality patents and services\(^7\).

ARGENTINA\(^8\): The Decree 27/2018 amending Argentinian legislation on patents, utility models, designs, and trademarks, effective 12 January 2018 includes, among others, the following changes:

- the term for conversion of an application on patent into utility model and vice versa is limited to 30 days from filing

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\(^1\) The Fourth Industrial Revolution
\(^2\) The Unitary Patent System
\(^3\) Unified Patent Court
\(^4\) 2018
\(^5\) European Patent Cooperation
\(^6\) Average number of countries
\(^7\) European Patent Office
\(^8\) Argentina
• substantive examination must be requested within 18 months from filing for inventions
• substantive examination must be requested within 3 months from filing for utility models

SINGAPORE: Some of the key features of the Registered Designs (Amendment) Act 2017 effective October 30, 2017 are:
1) broadening of scope of the designs that can be registered,
2) a new category of non-physical product which can be a design,
3) ownership rights to the designer/ creator by default unless the parties have contracted otherwise,
4) the grace period for designers to get their designs registered in cases where the designs were disclosed to the public prior to date of filing the registration application has been extended from 6 months to 12 months, where the disclosure was made on or after 30 October 2017, and
5) a single application for multiple designs may be filed.

BRAZIL: The Brazilian Patent and Trademark Office (INPI) launched a new pilot program for the pre-examination reports on pending applications effective from January 23 until March 13, 2018, at no cost to applicants. Pre-examination reports include the prior art cited in the relevant applications by the other patent offices.

USPTO REISSUE MAINTENANCE FEES: Effective 16 January 2018, payment of separate maintenance fees in each reissued patent based on the same original patent is required. If a reissue application is pending, a maintenance fee will be due in the original patent. If the original patent expires during the pendency of a reissue application, prosecution of the reissue application will be terminated because patents may only be reissued for the remaining, unexpired term of the original patent. Accordingly, for maintenance fees due on or after January 16, 2018, the new practice requires a separate payment of the maintenance fee for each reissued patent based on a single original patent, and for the original patent if there is a pending reissue application based on the same original patent, to maintain each reissued patent(s) and the original patent in force beyond the 4th, 8th, or 12th anniversary of the grant date of the original patent. The due date for a maintenance fee is the last day the maintenance fee may be paid without a surcharge under 37 CFR 1.362(d).
United Kingdom Intellectual Property Office\(^{12}\) has introduced a number of changes to the fees for applying for patent protection and renewing granted patents effective 6 April 2018.

ISA and IPEA

ROSPATENT: Effective December 6, 2017, International Search fee Russian Federal Service for Intellectual Property (ROSPATENT) as ISA increased from $482 to $698. For a micro entity, the USPTO-ISA is the least expensive ISA with International Search fee at $520.

**USPTO Fee Schedule (Last Revised on January 16, 2018)\(^ {13}\)**

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Effective 16 January 2018, the fee for requesting restoration of the right of priority: USD 2,000 (large), 1,000 (small), and 500 (micro) (Petition for the delayed submission of a priority or benefit claim).

The National Institute of Industrial Property (Chile), in its capacity as ISA and IPEA, has notified the IB that, with effect from 1 January 2018, it carries out international search and preliminary examination on international applications in English, in addition to Spanish.

The Spanish Patent and Trademark Office, in its capacity as ISA and IPEA, has notified the IB that it would carry out international search and preliminary examination on international applications in English, in addition to Spanish, effective 1 January 2018.
International industrial design applications filed via the Hague System for the International Registration of Industrial Designs grew by 35.3% in 2016. While designs contained in those applications grew by 13.9%. The 5,562 applications filed in 2016 contained 18,716 designs.

DESIGNS: THE HAGUE SYSTEM: As of January 26, 2018, applicants filing international applications under the Hague System will benefit from lower designation fees when filing for protection in Spain. In the case that EU-wide protection is not needed, users of the Hague System can designate Spain individually in an international application.

TRADEMARK LAW UPDATE

NICE CLASSIFICATION (NCL)\(^{17}\): The NCL established by the Nice Agreement (1957)\(^{18}\) is the international system used to classify goods and services for trade mark purposes, which is regularly updated by the World Intellectual Property Office. The trademark offices of Contracting States must indicate, in official documents and publications in connection with each registration, the numbers of the classes of the Classification to which the registered mark belongs. The latest (11\(^{th}\)) edition of the Nice Classification came into force 1 January 2018. Madrid Goods & Service (MGS) Manager\(^{19}\) will include the 2018 version of the Nice Classification.

MADRID MONITOR\(^{20}\) The Read-only-memory of Madrid Active Registry Information (ROMARIN) the first database to consolidate details of the Madrid Registry’s official register of international applications and registrations introduced in 1991, retires to make way for a better system Madrid Monitor, effective 1 January 2018, WIPO’s only tool for tracking the status of international trademark applications and registrations under the Madrid System\(^{21}\).

INDONESIA\(^{22}\): With Indonesia’s accession as the 100\(^{th}\) member, the Madrid Protocol became the fifth WIPO-administered treaty to reach 100 or more contracting parties (along with the WIPO Convention, the Paris Convention, the Berne Convention and the Patent Cooperation Treaty (PCT)), and effective January 2, 2018, brand owners in Indonesia can file a single international application under the Madrid System to protect their marks in the territories of the System’s other members.
Andhra Pradesh, India.

**VEPACHEDU EDUCATIONAL FOUNDATION**

The Andhra Journal of Industrial News

**IP and Industry News**

Disclaimer: Every effort has been made to verify the accuracy of items in the Quarterly IP Law Update. However, readers are urged to check independently on specific matters from their corresponding foreign agents.

**REFERENCES AND NOTES**

1. The EPO and the Handelsblatt Research Institute, Patents and the Fourth Industrial Revolution [http://www.epo.org/service-support/publications.html?pubid=163#tab3].
2. The Unitary Patent and the Unified Patent Court are the building blocks which will supplement and strengthen the existing centralized European patent granting system. They will offer users of the patent system a cost-effective option for patent protection and dispute settlement across Europe. [https://www.epo.org/law-practice/unitary.html](https://www.epo.org/law-practice/unitary.html)
21. Vepachedu Educational Foundation, Inc.

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Madrid Goods & Service (MGS) Manager https://webaccess.wipo.int/mgs/


More information
Learn more about how to monitor your international application or registration
Madrid Monitor Quick-Start Guide
Madrid Monitor video tutorials
Video: Madrid System e-services Video

In addition to the primary sources cited above, additional references include:

"Where the mind is without fear and the head is held high, Where knowledge is free Where the world has not been broken up into fragments, By narrow domestic walls." Rabindranath Tagore (1861-1941), Gitanjali, 1912.

One World One Family
AUM! SWASTI!

Om! Asatoma Sadgamaya, Tamasoma Jyotisingamaya, Mrityorma Amritamgamaya, Om Shanti, Shanti, Shanti! [Aum! Lead the world from wrong path to the right path, from ignorance to knowledge, from mortality to immortality, and peace!]

SWASTI! AUM!