

## Global IP Cooperation

International cooperation has been at the forefront of our endeavors. For instance, we have been actively participating in IP5 meetings to create a more efficient IP system. To expedite patent examinations, we have made bilateral arrangements with other offices on the PPH. Moreover, we are deeply committed to sharing our successful experience with developing countries by supporting them through IP-based programs.

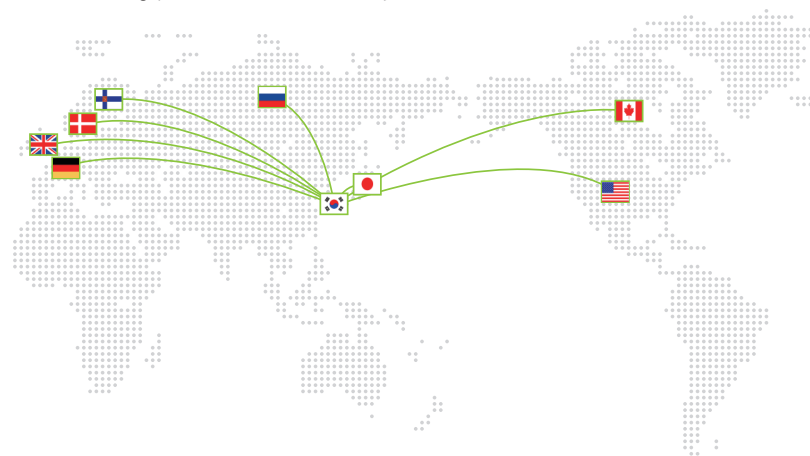
# Widely



# International cooperation to expand collaboration in examination

## International cooperation in examination: PPH<sup>1</sup> and SHARE<sup>2</sup>

We are currently implementing Patent Prosecution Highways (PPH) with eight nations. This was initiated with Japan in 2007; followed by the United States in 2008; Denmark, the United Kingdom, Canada, and Russia in 2009; and Finland and Germany in 2010. The PPH program has saved customers time and money for obtaining patents internationally.



Presently, PPH participant nations are endeavoring to develop the current bilateral PPH into a multilateral PPH. We are planning to take part in these efforts to enhance convenience for applicants and to make the examination process easier, ultimately contributing to the prosperity of the international IP system.

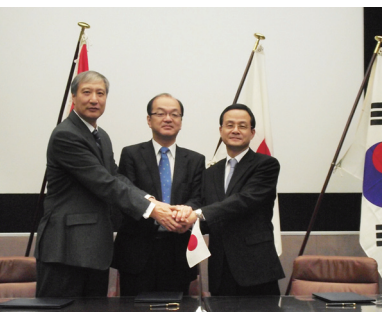
Between September 2009 and December 2010, Korea and the United States implemented the Strategic Handling of Applications for Rapid Examination (SHARE) project for trials separately from PPH in the fuel cell and semiconductor classifications. This has contributed greatly to strengthening cooperation and service efficiency between the patent offices of both countries.

### Bilateral cooperation

Throughout 2010, we actively engaged in promoting bilateral cooperation by holding over 30 bilateral meetings. In April, we signed an MOU with the United States Patent and Trademark Office (USPTO) that provided a reclassification service for patent literature, followed in May by trial implementation of the PCT collaborative search and examination. As a result, we jointly prepared a PCT international search report with USPTO and the European Patent Office (EPO).

An arrangement of collaborative operation with EPO is under progress. This includes the exchange of human resources and prior art-related data. With the Japan Patent Office (JPO), lists of each country's geographic indication were exchanged in order to reinforce protection of geographic indication, whereas we consulted with the State Intellectual Property Office of the People's Republic of China (SIPO) for the exchange of patent data. The United Kingdom Intellectual Property

1. PPH (Patent Prosecution Highway): In the case that a patent application is filed in two countries and the IP office of first filing have granted a patent, the office of second filing conduct an accelerated examination for the corresponding application.
2. SHARE (Strategic Handling of Applications for Rapid Examination): For a patent application filed in two countries, one country conducts the examination and the other country may use the results to conduct its own examination.



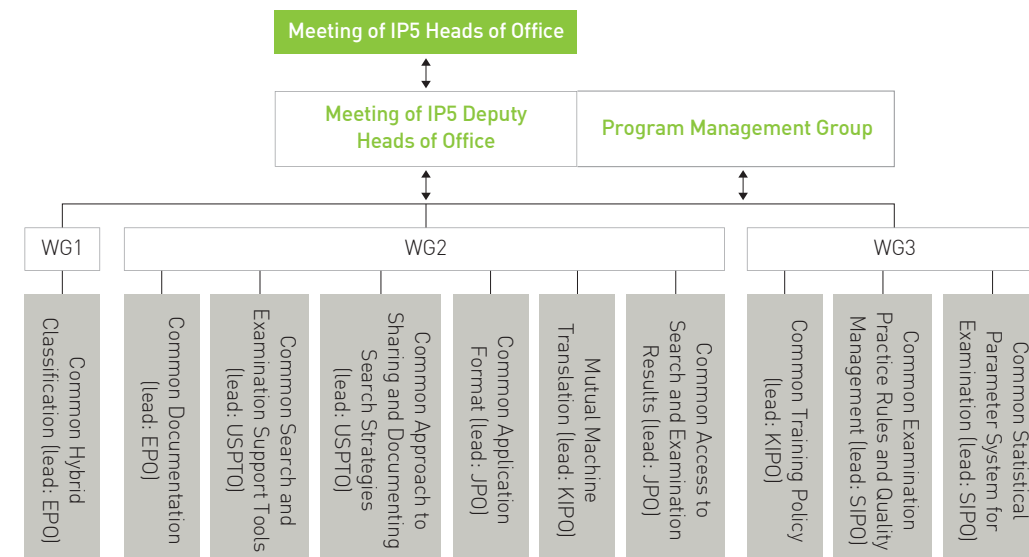
Office (UKIPO) is our partner for benchmarking exercises on the productivity and quality of patent examinations, a joint effort to provide high quality examination services in a timely manner. Furthermore, we are continuing to promote IP cooperation with Italy, Germany, and Australia via meetings between high-level officials.

Currently, our efforts to strengthen international IP cooperation extend to the countries of South America and Africa. We signed an MOU with Brazil to secure full cooperation in the field of intellectual property rights. After a meeting with the patent office commissioners of the African Regional Intellectual Property Organization (ARIPO), an organization committed to IP cooperation between regional African governments, we signed another MOU for bilateral cooperation. Particular to note is IP cooperation in the South American region which covers examination affairs, e.g., Chile has become the 12th country to use our PCT international search services through an MOU appointing KIPRO as a PCT international search and preliminary examination institution.

### The IP5 framework of cooperation

In October 2008, the patent offices of Europe (EPO), Japan (JPO), China (SIPO), the United States (USPTO), and KIPRO met at Jeju Island and organized an international cooperation framework, named IP5. The five offices agreed to move forward with work-sharing among 10 foundation projects as well as a future roadmap. To realize the Jeju vision, the five offices actively discussed their patent practices in September 2009 and set up three IP5 working groups to address issues such as common hybrid classification, IT-supported business processes, and examination practice-related projects.

In April 2010, the heads of the IP5 offices gathered with the WIPO Director General in China to discuss the current status and future plans of IP5 projects. They reviewed the details of the 10 foundation projects for 2010 and 2011 as well as various cooperative activities and personnel requirements. For the activities of the three working groups, they agreed to deploy the required resources for 10 foundation projects such as common classification, machine translation, and examiner training.





WIPO Training Course on Patent Law and Examination held at IIPT

International Intellectual Property Training Institute

**International seminars and foreigner training courses**

In 2010, we held an international seminar and IP training in collaboration with WIPO and KOICA (Korean International Cooperation Agency) and successfully managed a training course customized for trademark/design examiners from the Vietnamese patent office. In total, we trained 170 foreigners over 8 courses. We also successfully hosted the Fourth Symposium for Heads of Intellectual Property Academies and the First Conference for Heads of the Trilateral IP Training Institutes of Korea, China, and Japan

**EDUCATIONAL COURSES FOR FOREIGNERS FOR 2010**

Classification	Title	Description	Date	Participants
WIPO course	WIPO Patent Law and Patent Practice	Outline of the Korean patent system; standards and practices, etc.	March 22 to April 1	19
	WIPO Summer School	IP education for university students and young professionals	June 21 to July 2	27
	Green Growth and IP Seminar	Lectures and intensive discussions on IP-related global issues; examples for IP policies in the Asia-Pacific region; methods to develop IP in conjunction with green growth	Oct. 4-5	30
	WIPO Asia-Pacific Regional Seminar	Lectures and intensive discussions on the development plan for the Asia-Pacific region	Oct. 6-7	30
KOICA course	Korea-Iraq IPR Education	Korea's IP policy and system	Jul. 8-24	23
	Korea-ASEAN IPR Education	Korea's IP policy and system	Oct. 18-30	14
Customized course	Training for Trademark and Design Examiners from the National Office of Intellectual Property of Vietnam	Korea's trademark and design examination system	Nov. 1-5	10
	Training for officials of the Vietnamese Ministry of Science and Technology	Korea's commercialization strategy	Nov.13-19	17
Total	8 courses			170

**INTERNATIONAL SEMINARS AND EDUCATIONAL PROGRAMS FOR FOREIGNERS FOR 2011**

Date	Title	Description	Participants
Apr. 5 - 14	WIPO Patent Law and Patent Practice	Outline of the Korean patent system; standards and practices, etc.	20
Apr. 18 - 29	Korea-Tunisia IPR Education	Korea's IP policy and system development (KOICA cooperation project)	15
May 17-20	Training for Trademark Examiners from the National Office of Intellectual Property of Vietnam	Korea's trademark system	11
May 17-20	Training for IP5 Examiners	Training on Patent law and Examination	14
Jun.7-12	The 4 <sup>th</sup> Korea-China IP Joint Seminar	Seminar with patent attorneys and private company personnel as follow-up project of MOU with CIPTC of China	50
Jun. 20 - Jul. 1	WIPO Summer School	IP education for university students and young professionals	30
Jul.4-15	Korea-ASEAN IP Training Course	Korea's IP policy and system development (KOICA cooperation project)	20
Aug.29-Sep.2	Training for Thai Officials	Training customized for IP-concerned entities of Thailand	15
September	Training course for Government Officers from the National Office of Intellectual Property of Vietnam	Training customized for government officers from the National Office of Intellectual Property of Vietnam	15
Oct. 10 - 21	IP Training Course for Developing Countries	Korea's IP policy and system development (KOICA cooperation project)	13
Oct. 31 - Nov.2	WIPO Asia-Pacific Regional Seminar	Lectures and intensive discussions on international IP issues with IP policy makers from the Asia-Pacific region	40
November	Training for Developing Countries	Training customized for IP concerned entities of developing countries (pending)	15
2 <sup>nd</sup> half of the year (pending)	Course on WIPO's Utilization of KTF fund I	Training on IP commercialization strategies	-
2 <sup>nd</sup> half of the year (pending)	Course on WIPO's Utilization of KTF fund II	Training customized for IP concerned entities of developing countries	-
2 <sup>nd</sup> half of the year (pending)	Course on WIPO's Utilization of KTF fund III	Training on Trademark System and Examination	-
Total	15 Courses		-



# IP-based support for developing and least developed countries

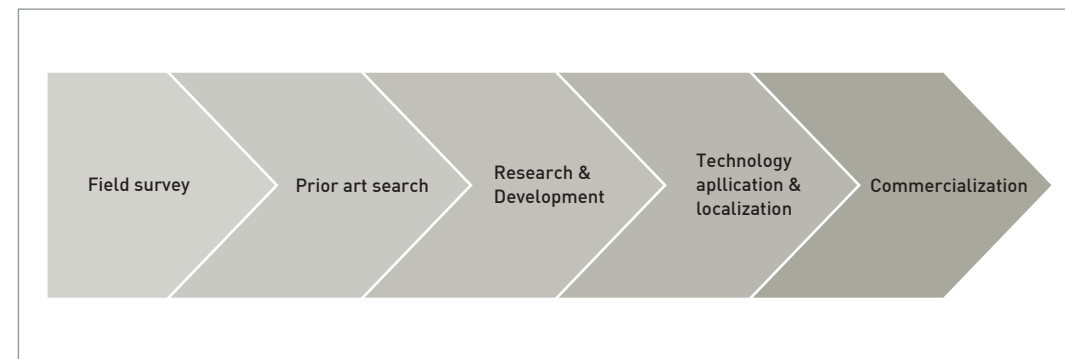
Narrowing the development gap was one of the major agenda items of the G20 Summit held in November 2010 in Seoul, Korea. To help this cause, we have been preparing IP-based official development assistance (IP-ODA) for the purpose of developing an IP community that strives to boost prosperity for all members of the international community. Specifically, we are endeavoring to furnish developing and least developed countries with the kinds of appropriate technology and support needed to enhance their quality of life. We are also helping them develop brands that will improve the competitiveness of their products. In April 2010, two of our projects were adopted at the fifth conference of the WIPO Committee on Development and Intellectual Property (CDIP). They are titled 'IP and Product Branding for Business Development in Developing Countries and Least Developed Countries (LDCs)' and 'Capacity Building in the Use of Appropriate Technology: Specific Technical and Scientific Information as a Solution for Identified Development Challenges'. These projects are expected to be discussed more actively by the international community.

## 1. IP sharing campaign

### Appropriate technology and the transfer of technology

Appropriate technology is technology tailored to the environmental, cultural, and socioeconomic factors of certain regions, especially for low-income groups in developing countries. Usually simple in nature, appropriate technologies are more economical and easier to implement and maintain than cutting-edge technologies. One example is the portable water purification device Life Straw; it enables individuals to drink water from a river or other polluted source. Another example is the Q Drum; the low-cost, rolling water container enables even children to easily transport up to 100 liters of water at a time.

#### PROCESS OF CREATING APPROPRIATE TECHNOLOGY



KIPO is now using the accumulated technological information of patent references to provide appropriate technologies to developing and least developed nations. We are currently helping African countries use their abundant supply of sugar cane bagasse to manufacture charcoal. This technology from the Massachusetts Institute of Technology in the United States is expected to greatly benefit the people of Africa, who often have difficulty finding sufficient firewood due to logging prohibitions. In 2011, we plan to transfer such sugar cane charcoal production technology to Chad and other similar countries. We will collaborate with the international humanitarian and



Sugar cane charcoal

development NGO Good Neighbors, which will build the social structures in the local area to conduct this transfer. We also plan to supply the local communities of approximately 10 areas around Chad with the devices to produce the sugar cane charcoal.

Also under way is a project to improve the residential environment of the Karnali region of Nepal using appropriate construction technology. The goal of this project is to develop and provide appropriate technology to manufacture low-priced, high-quality brick out of the locally abundant soil. We succeeded in developing technology appropriate for the Karnali region of Nepal in 2010 and, based on this technology, we will proceed with the trial construction of a public building in 2011. This project will involve the training and support of local human resources as well as the utilization of private funds. Hopefully, it will lead to a full-scale supply of buildings made from local soil.



Bricks utilizing soil



### Competitive brands for developing countries

To foster the creation of new IP and implement projects for developing and least developed countries, we hosted a 'One Village One Brand Seminar' in Seoul from June 23 to 25, 2010. The seminar, which was proposed by KIPO to APEC and approved in 2009, was attended by representatives of 21 APEC member economies. Other international organizations, such as WIPO, and various NGOs were also represented. The participants discussed how brands and IP could be utilized for regional goods and requested substantial provision of support for product branding. In response to the demand of the APEC member economies, we conducted research and presented a report titled 'Use of IPR's in Branding Strategies for the Local Products of Developing Countries' in late 2010, and proposed the 'One Village One Brand' project to APEC in early 2011.



APEC One Village One Brand Seminar

Since November 2009, we have been developing a mango brand in Chad, Africa in partnership with the NGO Good Neighbors. Even though there is an abundance of high-quality mangoes in the northern part of Chad, the country produces no processed mango goods. We have therefore embarked on a project to help the region increase its income through the production and branding of processed mango goods. We currently provide Chad with the technology to produce dried mangoes. At the same time, we are supporting the overall business process, particularly through the establishment of social corporations, the creation of processed mango brands, and assistance with trademarks and designs.

### TRADEMARK DESIGN OF CHAD'S DRIED MANGO PROJECT



KIPO Official participating in the peeling, cutting and drying of mangoes



IP sharing campaign in KIPO



### Successful completion of the Korea Funds-in-Trust projects

The Korea Funds-in-Trust at WIPO was established in July 2004 and is currently in its seventh year which runs from July 2010 through June 2011. In order to enhance the capability to solve the issues closely related to life in the least developed nations by means of patent information, we will host a competition for appropriate technology. The competition will be held for the first time in Ethiopia and Malaysia and the winners will be IP trained in Korea and developed into experts of the appropriate technology. The training course that was offered to raise patent examination capacity in developing countries was held at the IP Training Institute using the same curricula as previous years.

Recently, there has been a proposal to educate children about the importance of IP and to develop effective educational material. To address this issue, we plan to produce IP education animation for children during the 7<sup>th</sup> year of the project. This animation will feature stories with children-friendly characters and be designed to encourage children to realize the importance of creative invention and intellectual property.

Also newly created is a training course utilizing the 'IP Panorama Multimedia Toolkit'. This course, currently open to Arab countries, provides online and offline education and is used in a way to enhance the immersion effect which online education may be lacking.

	Title of project	Description
1	Appropriate technology public competition	Ethiopia and Malaysia (to be completed June, 2011)
2	Seminars on patent information and appropriate technology	Two countries from Africa and Asia (to be completed June, 2011)
3	Seminar on IP and community development policy	Ten or more countries from Asia (to be completed July, 2011)
4	Training of examiners from developing countries on patent laws and examinations	Ten or more countries from Asia (to be completed in the 1 <sup>st</sup> half of 2011, at the IP Training Institute)
5	Development of multimedia IP educational material	Project in progress; (targeted for completion in September, 2011)
6	Research on IP issues	Research theme to be designated in the 1 <sup>st</sup> half of 2011
7	Training course utilizing IP Panorama	Countries from the Middle East (to be launched in the 2 <sup>nd</sup> half of 2011)

## 2. IP automation systems and training in developing countries

### Support for IP office automation system in Indonesia

With increasing global recognition of our outstanding KIPOnet system, Indonesia's Directorate General of Intellectual Property Rights (DGIPR) expressed an interest in cooperating with our office on the development of its own IP office automation system. As a result, since 2007, we have been collaborating with the DGIPR, working on securing the necessary budget and providing technological support.

Following these efforts, in April 2010, both offices signed an MOU on technological cooperation for the development of the IP office automation system. Under this MOU, we have supported DGIPR in developing and operating its IP office automation system based on our technology and also shared our policies, systems, and experiences. The MOU has enabled our two countries to develop a strategic partnership. In August 2010, the governments of both countries signed a loan agreement of 39 million dollars provided by the Economy Development Cooperation Fund (EDCF), the sanction of which is currently under progress.

### New era of IP cooperation with Arab countries

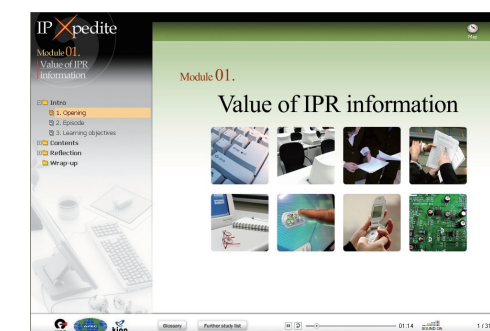
Following the success of the English version of the online educational material 'IP Panorama,' KIPO and WIPO, in 2009, began to develop other versions of 'IP Panorama' in official UN languages such as Arabic, French, and Spanish. On March 17 and 18, 2010, an international symposium was held at the headquarters of the League of Arab States (LAS) in Cairo, Egypt, to celebrate the official release of the Arabic version of 'IP Panorama.'

Apart from the WIPO Director General, 70 other well-known dignitaries of the Arab region, including the LAS Assistant Secretary General and representatives of the patent offices and chambers of commerce of 12 Arab states, participated in the symposium. The gathering culminated in the adoption of the Cairo Declaration, the aim of which is to strengthen IP cooperation between WIPO, KIPO, and LAS. The declaration is the cornerstone of new cooperative relations for enhancing IP management capabilities in the Arab region.

### APEC IP Information Facilitator Training Course

The 'Advanced APEC Project for Training Intellectual Property Rights Information Facilitators using e-Learning Contents, IP Xpedite' is an online-offline training course utilizing 'IP Xpedite,' an e-learning program. It was proposed by KIPO to APEC in August 2010 and was approved around the end of December.

This course is targeted at the 21 APEC member economies and is scheduled to be held from June to October 2011 with a two-way operation: an online course with emphasis on training for utilizing patent information; and an offline component primarily focused on conducting information searches via major countries' patent information databases and the practice of analyzing such search results.



E-learning content, IP-Xpedite