

The Importance of IP in Innovation, Promotion and its Exploitation; Japan's Case

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1. History of Intellectual Property (IP) System and Innovations in Japan

2. Cases of Japanese Companies' Innovation

3. Japanese Government's Policies for Promoting Innovations

History of JPO and the Industrial Property Rights System (1)

Establishment of the IPR System in Japan

1884 Enactment of Trademark Act
1885 Enactment of Patent Act and establishment of the Japan Patent Office (JPO)

1889 Enactment of Design Act



Original JPO Bldg. (Established in 1885)



Korekiyo Takahashi (First JPO Commissioner, who became a prime minister later)

Modern industrialization

- **1896 Beginning of Foreign Applications**
- **1899** Accession to Paris Convention
- **1905 Enactment of Utility Model Law**



Panels of ten great Japanese inventors (100th Anniversary Project)

History of JPO and the Industrial Property Rights System (2)

Period of Economic Growth

- 1959 Revision of IP Laws (Patent, Utility Model, Trademark, Design)
- 1975 Accession to World Intellectual Property Organization (WIPO)
- **1978** Accession to Patent Cooperation Treaty (PCT)
- **1990** Introduction of Electronic applications

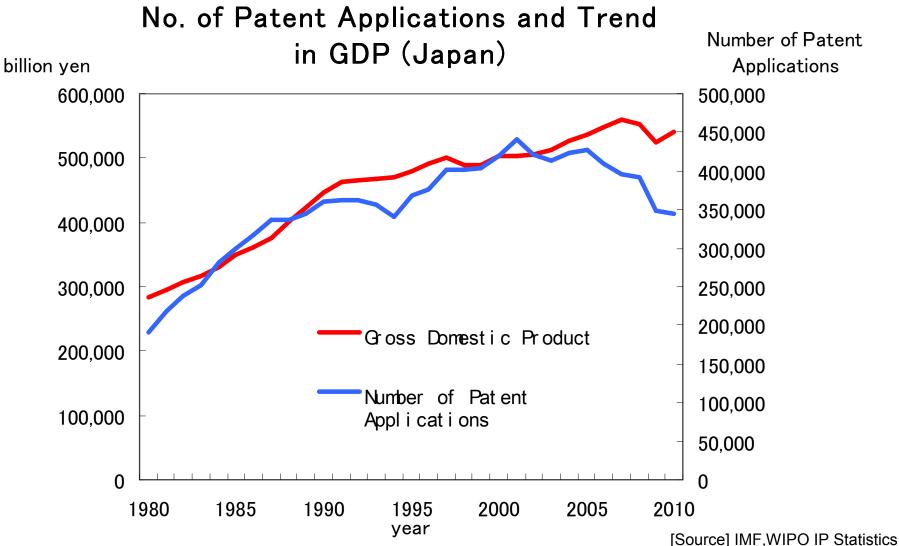
Period of Economic Globalization

- 2000 Accession to Madrid Protocol
- 2002 Enactment of Intellectual Property Basic Act
- 2005 Establishment of IP High Court
- 2006 Start of Patent Prosecution Highway (PPH)
- 2010 125th Anniversary of IPR system in Japan





Innovation has been accelerating according to economic growth, followed by the increasing number of patent applications.

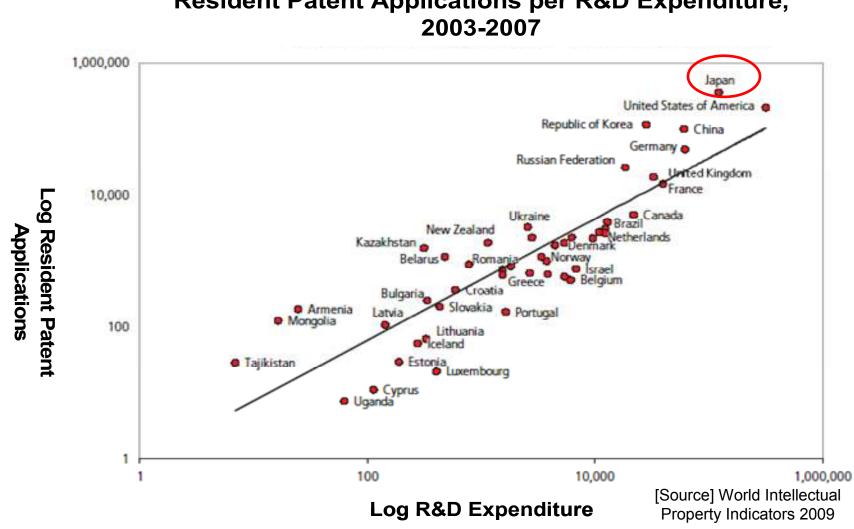


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Number of Patent Applications and R&D Expenditure



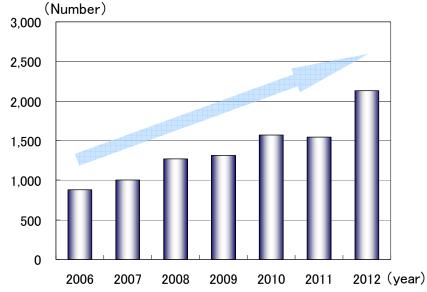
In Japan, compared to other foreign countries, a larger amount of money has been spent on R&D activities, all while a significant number of patent applications have been filed.



Resident Patent Applications per R&D Expenditure,

Changes in the Number of Overseas Applications Filed by Japanese Companies



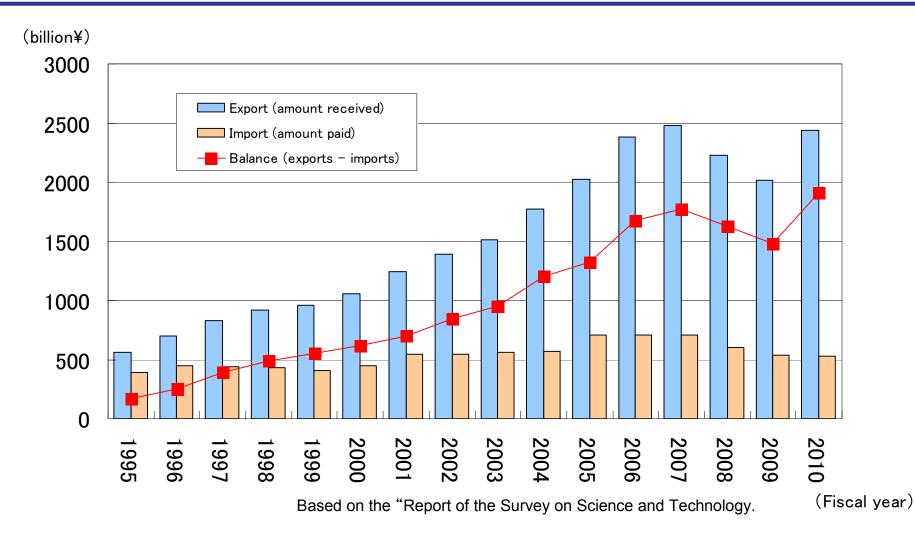


With corporate activities becoming more globalized, Japanese companies have increased the number of applications that they filed in foreign countries for patents, designs, and trademarks.

[Source] Patents and trademarks: JPO statistics Design: WIPO IP Statistics



Based on the technological precedence of Japanese companies, Japan's technological trade surplus has grown to 2 trillion yen per year.





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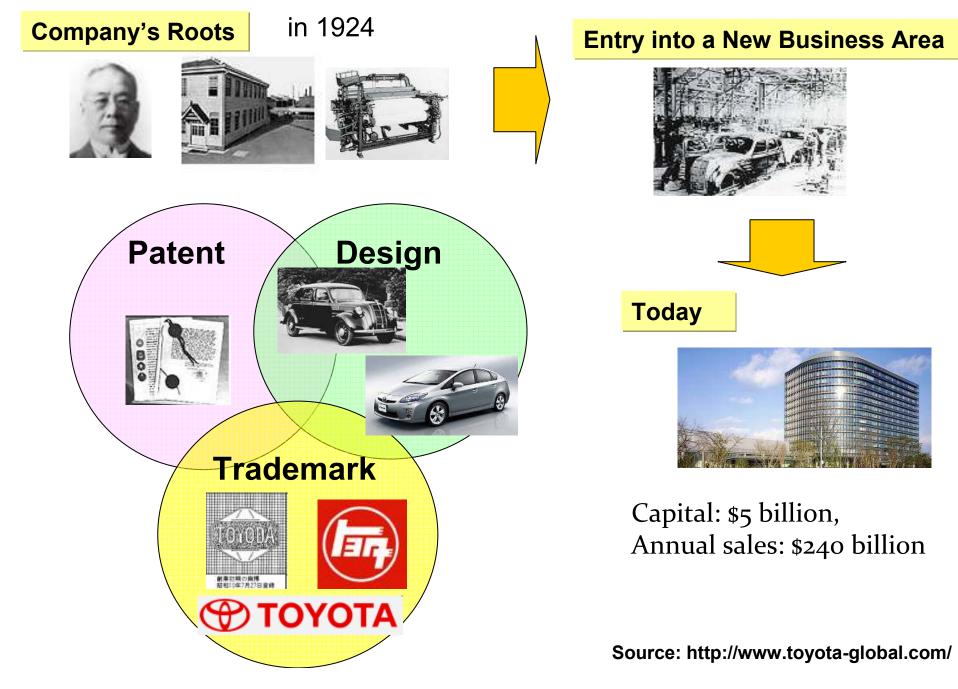
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Toyota Case(Utilization of Patent, Design, TM)



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Panasonic Case (Creation and Protection)





Sumitomo Chemical Case



Contributions to Africa through Japanese Innovations

💠 SUMİTOMO CHEMICAL

- Synthetic chemical company
- R&D with the effective use of IP such as patents.

Olyset[®]Net (Registered Trademark)



The company developed mosquito nets containing insecticides in their threads.

(The repellent lasts more than 5 years)
→WHO recommends using them.

>Local production in Tanzania



- Granted manufacturing technology without any charge to local companies
- **Set up a joint venture with local companies**
- → providing under the Trademark of "Olyset" in the world, focused on Africa.

✓ Approx. 29 million are produced per year
 ✓ Approx. 7,000 jobs were created (as of August 2010)

Examples of Familiar Innovations



Innovations are not always created based on advanced technologies.

Some were based on excellent ideas and concepts developed by SMEs and individuals.

[Packing Container]

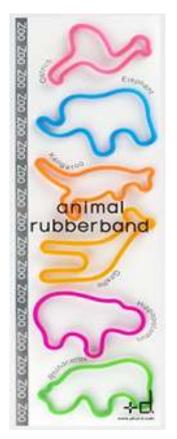
Before being opened, it protects vegetables.



After being opens, it serves as a plate.

- Patents were filed and protected overseas
- Company sought business partners overseas

[Animal rubber band]





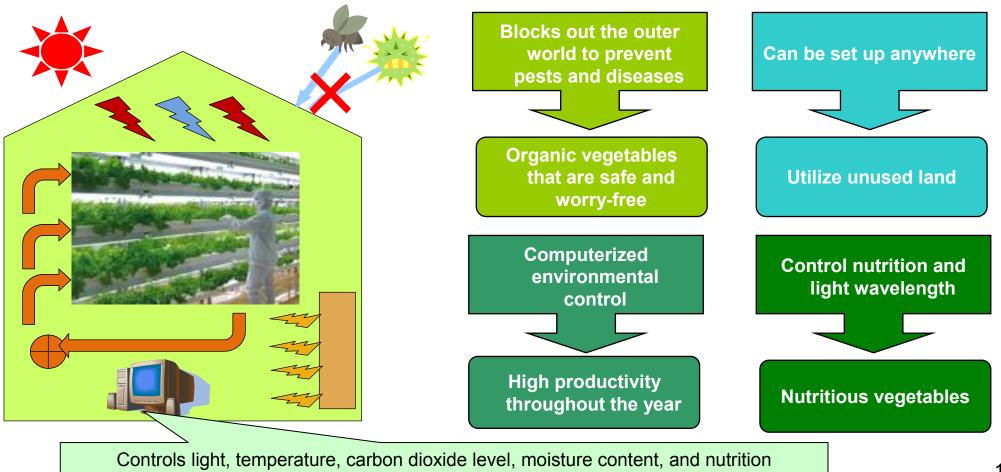
Outstanding designs

 Obtained funding based on the registered design right

Innovation from Agriculture

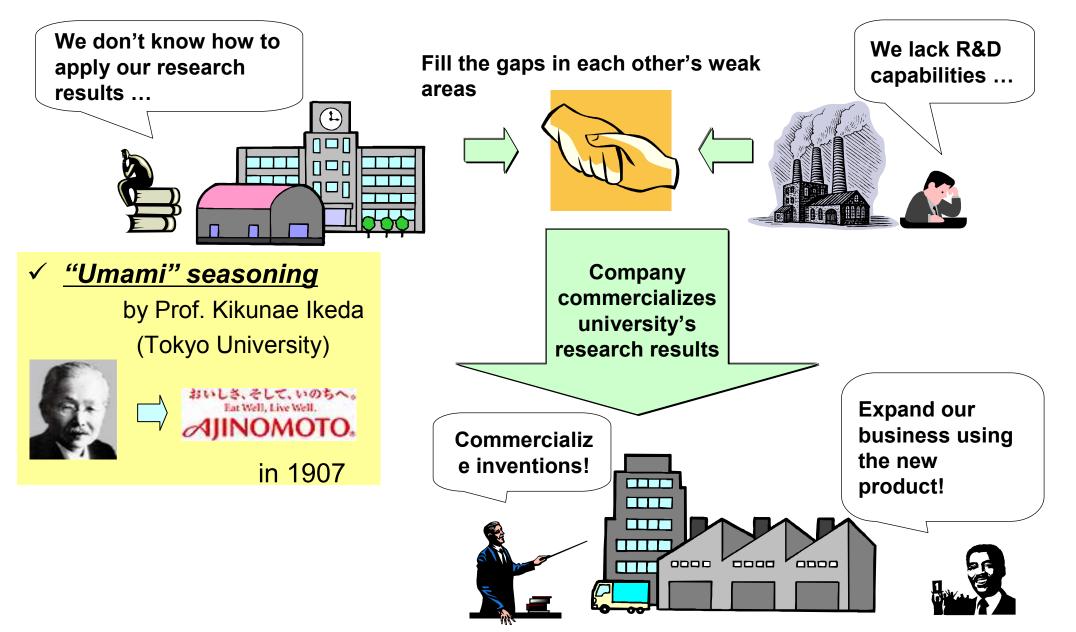


- "Plant Factory" as a new style of agriculture.
- Computerized control of environmental items including light, water, temperature, and humidity.
- Stable and efficient production of delicious, safe and worry-free, and nutritious vegetables throughout the year.
- Can be set up in sites other than farmlands since it can be set up anywhere.



Ajinomoto Case (Industry-University Cooperation)







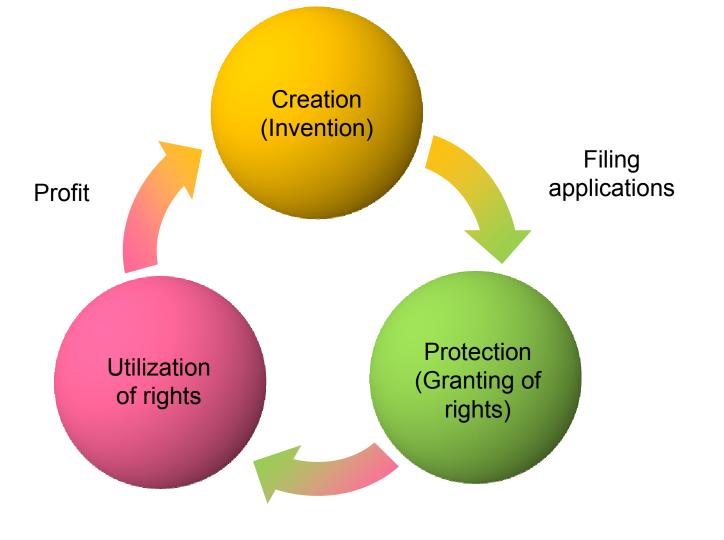
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Intellectual Property Cycle

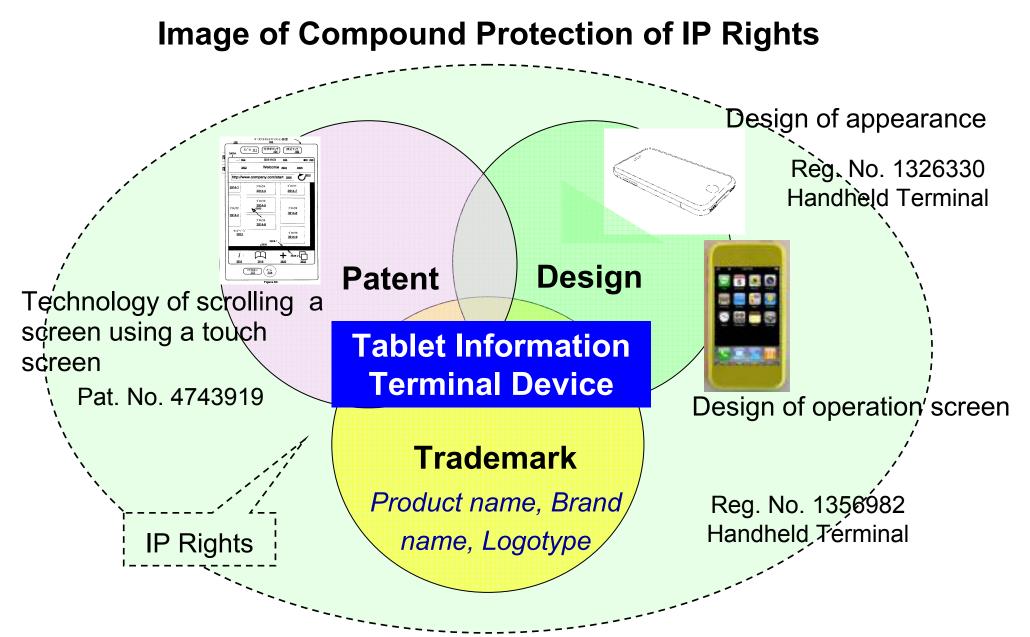




Industrial property rights

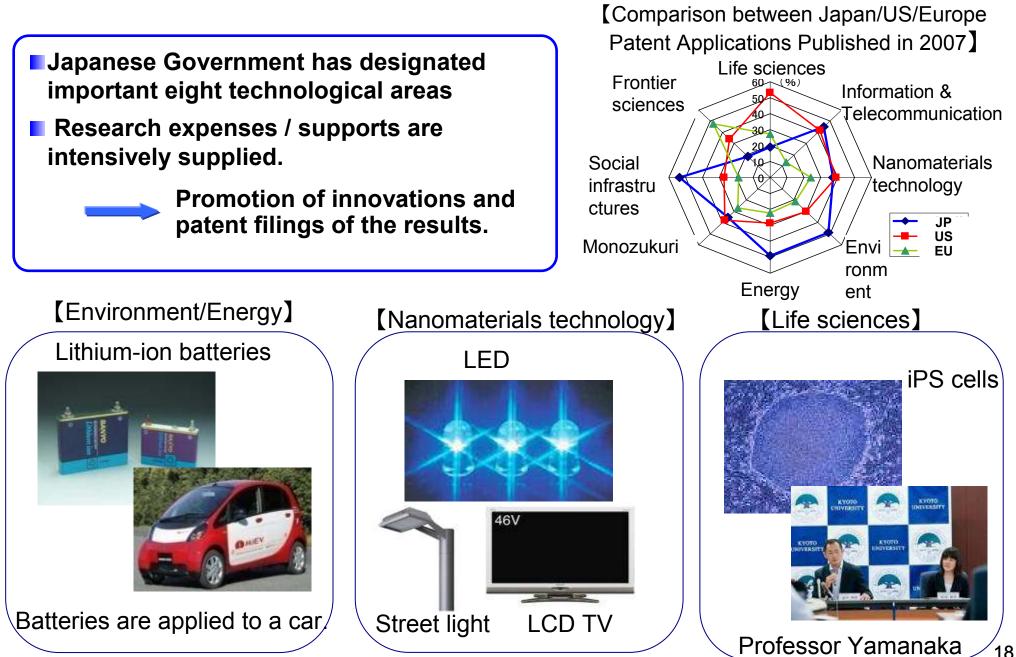
The ultimate goal is to make IP cycle more robust and more dynamic.





Government-driven Innovations (Areas of Advanced Technologies)

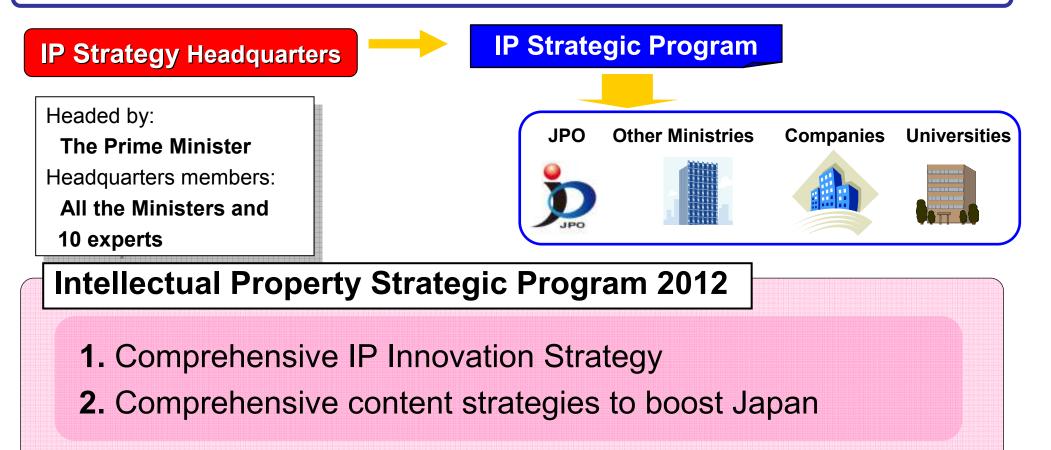




Intellectual Property Strategic Program



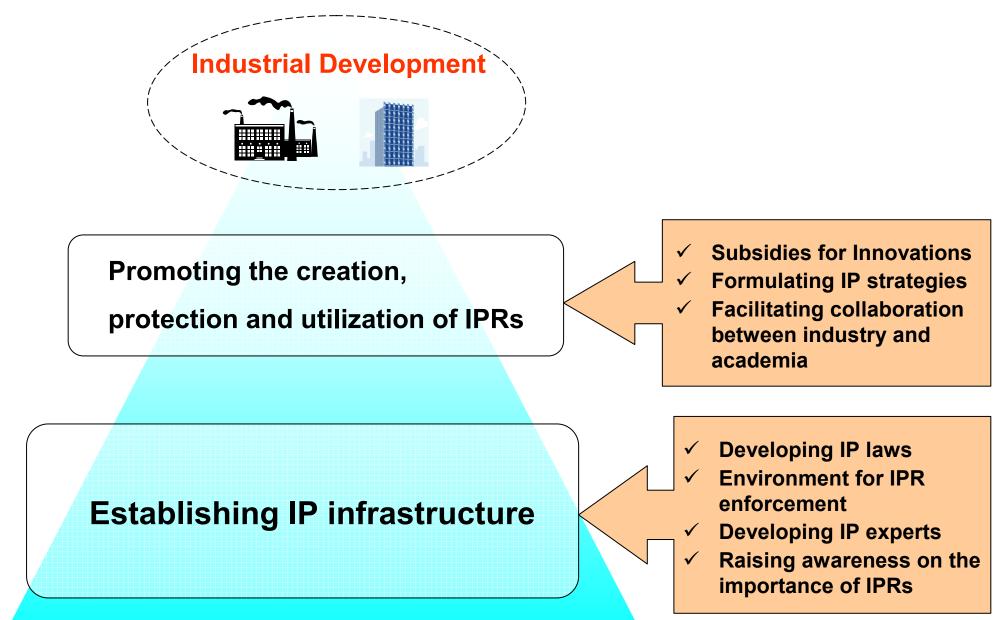
 IP Strategy Headquarters formulate the "IP Strategic Program" every year. Government ministries and agencies implement measures based on the programs.
 The IP Strategic Program 2012 was formulated on May 29th, 2012.



Extracted from the Intellectual Property Strategic Program 2012

Road to Industrial Development





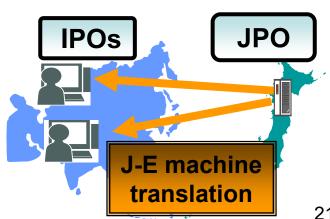
Support Activities by JPO

WIPO Japan FIT for Africa & LDC

- Established in 2008 \checkmark
- ✓ 1.1 million CHF voluntary contribution per annum
- **Examples of Activities for Africa** \checkmark
 - About 10 seminars in a year on various themes
 - Fellowships for Masters Degree in Intellectual Property (MIP)
 - Supports for IP Offices digitization and TISCs activities
 - Invitation to training programs in Tokyo, Japan

>AIPN: Advanced Industrial Property Network

- ✓ **Providing JPO Examination Results in English via the Internet**
 - \rightarrow Reduces work load of foreign examiners
- ✓ Free of Charge
- ✓ The AIPN started on 12 October 2004, now it is used in 61 IPOs all over the world. (14 African IPOs)
- ✓ For registration: <u>PA0868@jpo.go.jp</u>









Thank you.