



## **PCT Services Provided by WIPO**

WIPO Regional Workshop on Effective Use of the  
PCT System: the Experience of Asian Countries

**Bangkok**  
**May 16-17, 2012**

Takashi YAMASHITA

Director, PCT International Cooperation Division, WIPO

# PCT services

## ■ Work PCT

PCT should function as it is aimed



## ■ Promote PCT

PCT should be used by many users in many countries



## ■ Improve PCT

PCT should be improved legally and technically along with a change of age



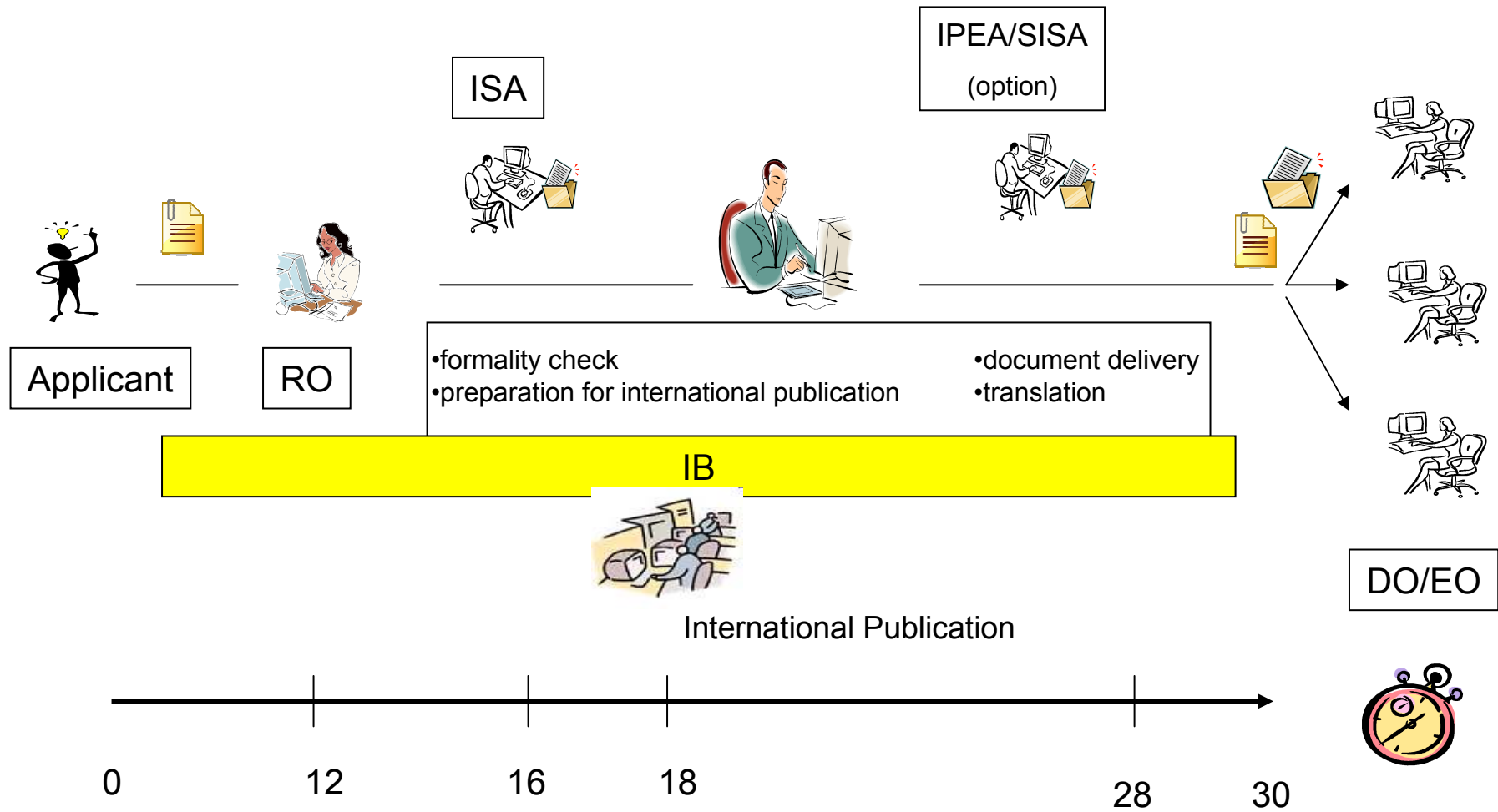
# Work PCT

# Work PCT

- Operations (formality check, prepare for international publication, etc)
- Document delivery
- Translation
- IT tools



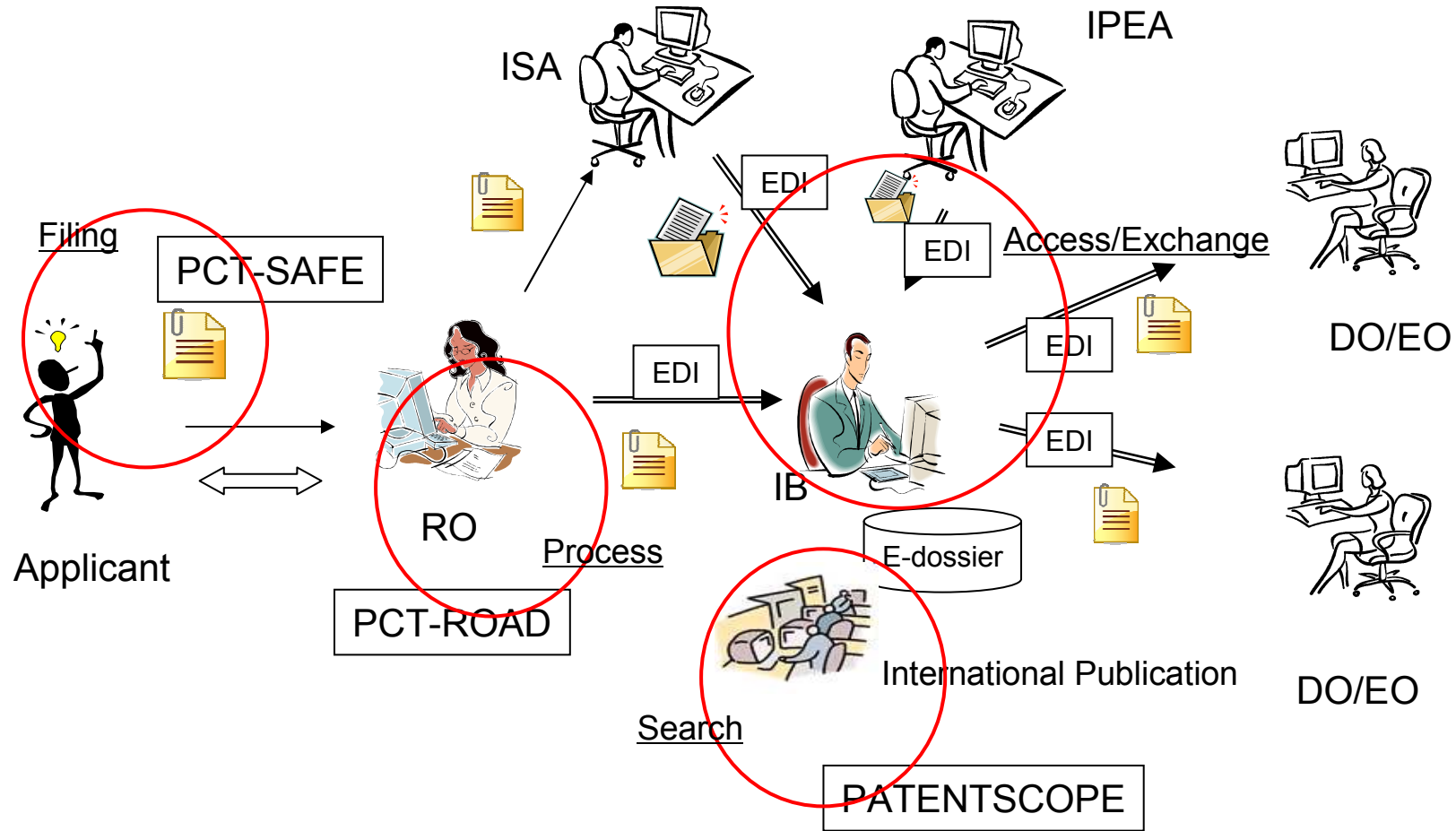
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# Work PCT - Process and Operation

- Formality check
- Preparation for international publication
  - Edition of front page
- Document delivery
  - A20, R87
- Translation into English
  - title of invention, abstract
  - ISR
  - IPER

# Work PCT- IT tools



# Work PCT- IT tools

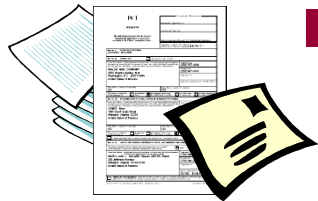
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  - DAS
  
- Search tool
  - PATENT SCOPE web site



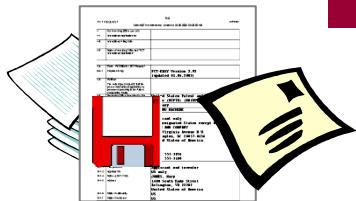
# PCT-SAFE

## Secure Applications Filed Electronically

### Types of filing



- Paper: all documents on paper accompanied by Form PCT/RO/101

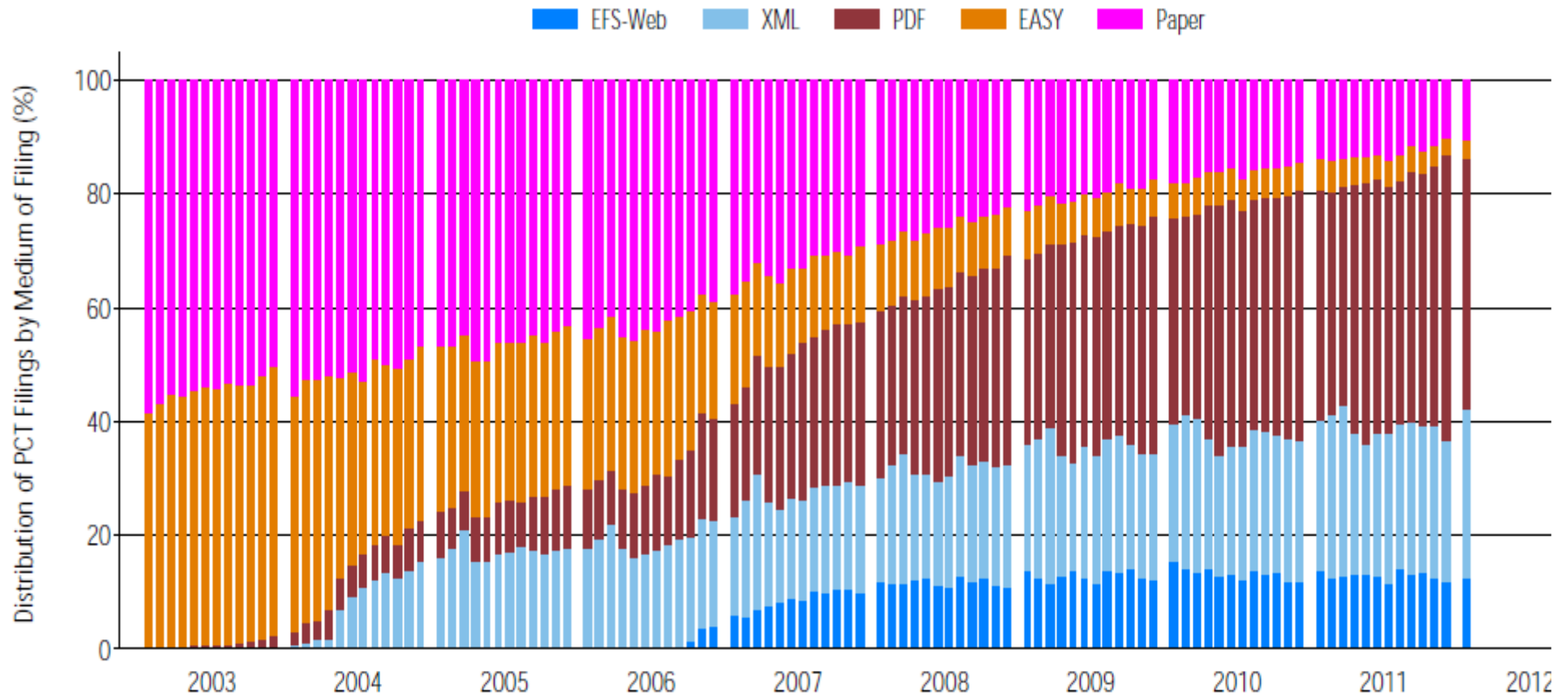


- PCT-SAFE (PCT-EASY): all documents on paper accompanied by PCT-EASY request Form and diskette/physical medium



- PCT-SAFE fully electronic: request, text and drawings filed on-line or on physical media, no paper required

# PCT filings by method of filing



Source: PCT Monthly Statistics Report (April 2012)

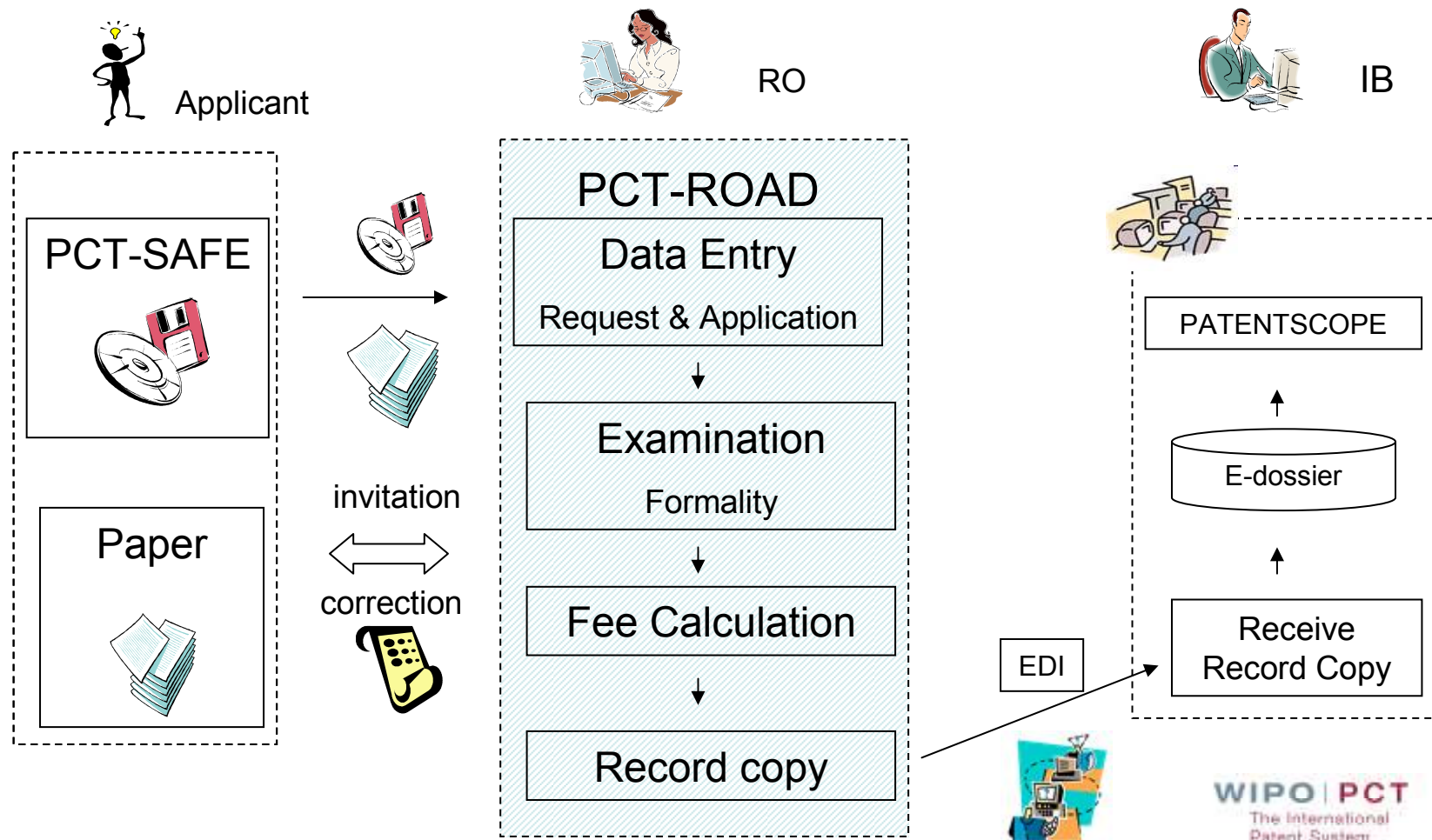
# PCT Online service

- PCT Online Document Upload Service (move to ePCT service as from July 1, 2012)
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- PCT E-Payment service
  - Applicants to pay certain fees by credit card via a secure online e-payment facility
  - Fees payable for new PCT filings at the IB as receiving Office (RO/IB);
  - Fees payable to the IB for filing a request for supplementary international search.
  - Other fee types will be added to this online service at a later stage

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# PCT-ROAD

## Receiving Office Administration



# PCT-EDI

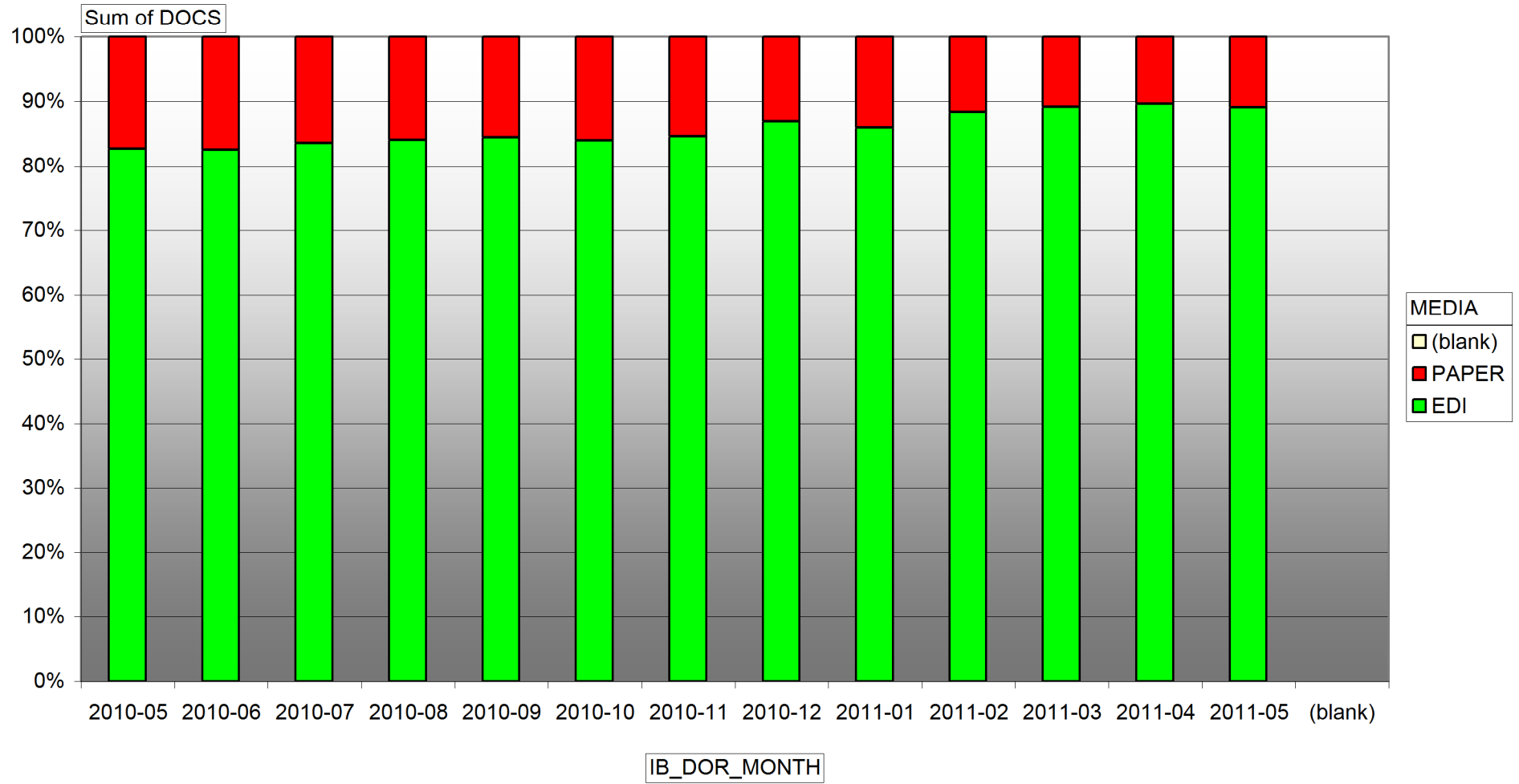
## Electronic Data Interchange



- Internet based secure transmission by which Offices can send and receive documents to/from IB
- Initially (~2007) the service made available was upload to IB of certain documents
- Extended to upload and download of all PCT documents
- Still a large number of documents are sent on paper, but ratio of paper vs EDI is nearly 10% : 90%.

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### PCT Document Receipt 2010/2011 (all) by Media



# COR → PADOS

## ■ PCT COR

- Communication on Request
- Batch delivery via PCT EDI

## ■ PADOS(C.PCT 1310)

- PCT Automated Document Ordering System
- Without need for any special installation procedure
- Access to all PCT documents available on PATENTSCOPE
- Instant delivery

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# Public service to provide PCT documents

- PCT-Text
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- PATENTSCOPE web service
- PCT-Backfile
- Corpus Of Parallel Patent Applications (Coppa)

## PATENTSCOPE Products and Services



**PCT-Text**

**Content**

- Bibliographic data for all International Application
- Front page drawing images for all International A
- Full-text description and claims (OCR output) for German, Spanish and Russian as well as pure > Korean and English during the current year (XML
- Quality updates to PCT Full-text Backfile (see bel

**Features**

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# PATENTSCOPE web site

- WIPO's patent information portal site
- Published international applications are available through this portal site

④ <http://www.wipo.int/pctdb>



- PATENTSCOPE is not just a site of international publication. It provides powerful search engine and analytical resources, etc

④ <http://www.wipo.int/patentscope/search/en/search.jsf>



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10,602,384 patent documents including 2,023,742 published international patent applications (PCT).  
Detailed coverage information can be found here (->)

Front Page | Any Field | Full Text | ID/Number | Int. Classification(IPC) | Names | Dates

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# PATENTSCOPE

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6 ระบบการจัดการ (WO2012040022) ความร้อนสำหรับรถแบตเตอรี่ไฟฟ้า

PCT Biblio. Data | คำอธิบาย | ลิขสิทธิ์เรียกร้อง | เฟล่งแห่งชาติ | คำชี้แจง | เอกสาร

หมายเหตุ: ข้อความอยู่บนพื้นฐานของกระบวนการอัตโนมัติ Optical Character Recognition ยอมรับ กรุณาใช้เวอร์ชัน PDF สำหรับเรื่องทางกฎหมาย

Thai Alternative machine translation: (microsoft)

Powered by Google™ Translate

Query FP:("electric car"~50)

Machine Translation

ลิขสิทธิ์เรียกร้อง:

1 ระบบการจัดการระบายความร้อนสำหรับรถยนต์ไฟฟ้า, รถยนต์ไฟฟ้า ได้แก่ ยนต์ลากและห้องโดยสารประกอบด้วย:

วงจรมอเตอร์สำหรับระบายความร้อนของมอเตอร์ไฟฟ้าความร้อน ได้แก่ โหลดวงจรความร้อนชนิดแอ่งวงจรมอเตอร์รวมทั้งหม้อน้ำ, ท่อน้ำร้อนและ

วงจรรวมความร้อนภายในห้องโดยสารสำหรับการแลกเปลี่ยนความร้อน ความร้อนภายในห้องโดยสารห้องโดยสารร้อนวงจรรวมความร้อน ภาระความร้อนภายในห้องโดยสารครั้งแรก ท่อความร้อนวงจร fluidically ระหว่างหม้อน้ำและเตาเสียบยนต์โหลดวงจรความร้อนและ

แรก ความร้อนท่อร้อยสายไฟ, ความร้อนภายในห้องโดยสารร้อนวงจรในตำแหน่งที่ให้ความร้อนของเหลวในวงจรรวมความร้อนภายในห้องโดยสารห้องโดยสารร้อนวาล์ว วงจร positionable ในตำแหน่งนั้นก่อนการไหลของของไหลระหว่างวงจรมอเตอร์และวงจรรวมความร้อนภายในห้องโดยสารถูกจัดวางอย่างมากและตำแหน่งที่ของเหลวที่ สองนั้น โหลระหว่างวงจรมอเตอร์และวงจรรวมความร้อนภายในห้องโดยสารได้รับอนุญาตและห้องโดยสารร้อนปั๊มวงจรในตำแหน่งที่จะปัมน้ำผ่านวงจรรวมความร้อนภายในห้อง

โดยสาร;

เซ็นเซอร์อุณหภูมิวงจรในตำแหน่งที่จะตรวจสอบอุณหภูมิของของเหลวในท่อที่สองวงจรมอเตอร์และ

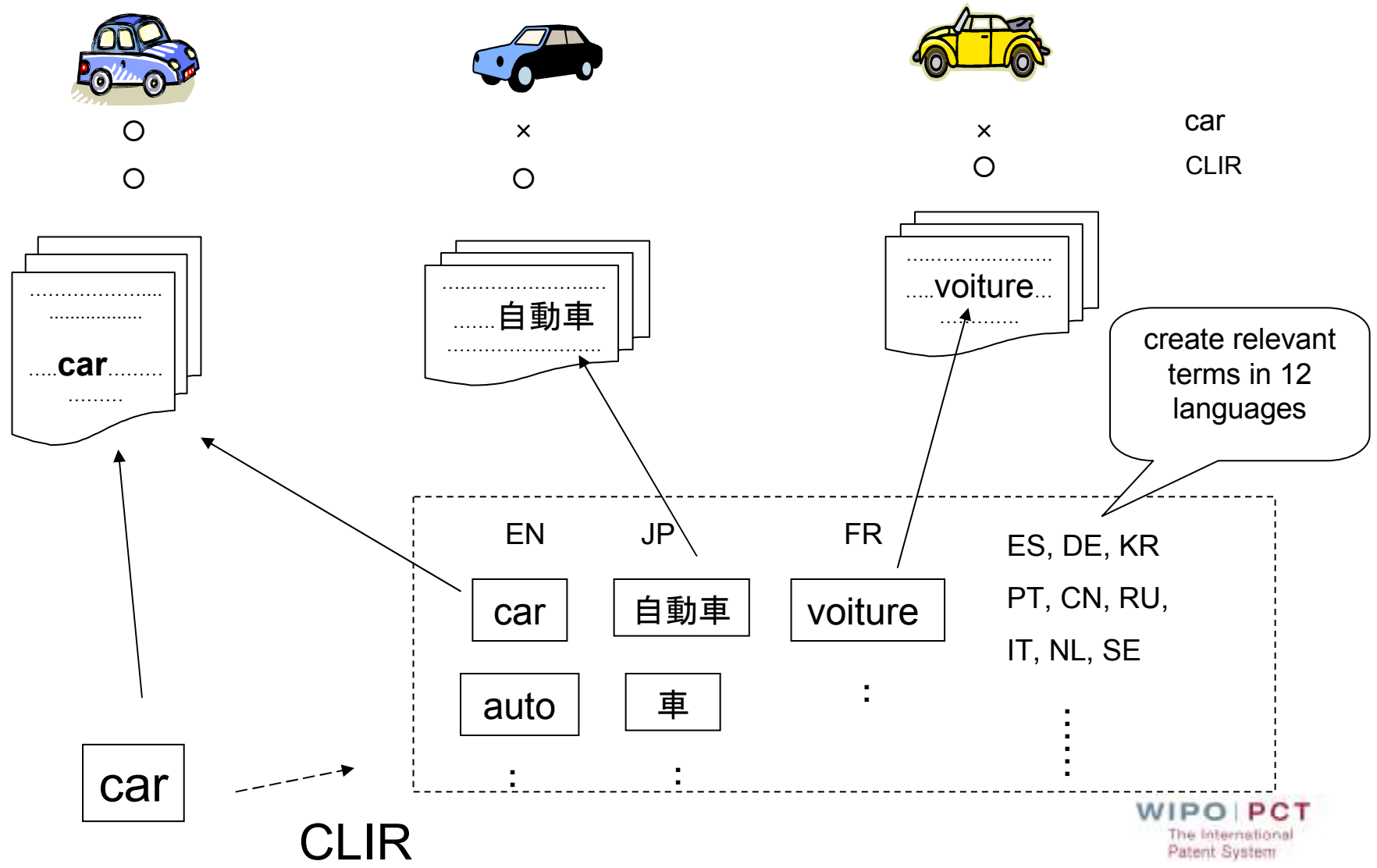
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Original Text:

A thermal management system for an electric vehicle, the electric vehicle including a traction motor and a passenger cabin, comprising:

Show alternative translations

# CLIR (Cross lingual Information Retrieval)



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Input search terms

Query


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solar power

» Query Language:

» Expansion Mode:

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Results 1-10 of 9,430 for Criteria: (EN\_Ti:("solar power" OR "solar energy" OR "solar supply"~21) OR EN\_AB:("solar power" OR "solar energy" OR "solar supply"~21)) OR (DE\_Ti:("Sonnenenergie" OR "Solarenergie") OR DE\_AB:("Sonnenenergie" OR "Solarenergie")) OR (ES\_Ti:("energía solar") OR ES\_AB:("energía solar")) OR (FR\_Ti:("énergie solaire") OR FR\_AB:("énergie solaire")) OR (JA\_Ti:("太陽光" OR "太陽電池光" OR "太陽電力" OR "太陽発電" OR "太陽光発電") OR JA\_AB:("太陽光" OR "太陽電池光" OR "太陽電力" OR "太陽発電" OR "太陽光発電")) OR (KO\_Ti:("태양에너지" OR "이용한 태양광 발전" OR "태양 광 발전" OR "태양광 에너지" OR "태양열을 이용한") OR KO\_AB:("태양에너지" OR "이용한 태양광 발전" OR "태양 광 발전" OR "태양광 에너지" OR "태양열을 이용한")) OR (PT\_Ti:("potência solar"~22 OR "energia solar"~22 OR "força solar"~22 OR "suprimento solar"~22 OR "alimentação solar"~22 OR "abastecimento solar"~22 OR "energia luminosa" OR "fonte solar"~22) OR PT\_AB:("potência solar"~22 OR "energia solar"~22 OR "força solar"~22 OR "suprimento solar"~22 OR "alimentação solar"~22 OR "abastecimento solar"~22 OR "energia luminosa" OR "fonte solar"~22)) OR (RU\_Ti:("гелиоэнергетической" OR "концентрирования солнечной энергии" OR "солнечным" OR "солнечная энергетическая" OR "солнечной энергии в переменный" OR "солнечной энергии и" OR "энергии солнца" OR "солнечной энергетической установки") OR RU\_AB:("гелиоэнергетической" OR "концентрирования солнечной энергии" OR "солнечным" OR "солнечная энергетическая" OR "солнечной энергии в переменный" OR "солнечной энергии и" OR "энергии солнца" OR "солнечной энергетической установки")) OR (ZH\_Ti:("太阳" OR "太阳能") OR ZH\_AB:("太阳" OR "太阳能")) Office(s):all Language:EN Stemming: true

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**Latest bibliographic data on file with the International Bureau**


**Pub. No.:** WO/2010/150692      **International Application No.:** PCT/JP2010/060236  
**Publication Date:** 29.12.2010      **International Filing Date:** 16.06.2010

**IPC:**      *H01L 31/04* (2006.01), *H01L 31/042* (2006.01)

**Applicants:** TORAY ENGINEERING CO., LTD. [JP/JP]; Nihonbashi Muromachi Bldg., 3-16, Nihonbashi Hongokucho 3-chome, Chuo-ku, Tokyo 1030021 (JP) *(For All Designated States Except US)*.  
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 IWADE Takashi [JP/JP]; (JP) *(For US Only)*.  
 TERADA Toyoharu [JP/JP]; (JP) *(For US Only)*.  
 FUJIMOTO Takayoshi [JP/JP]; (JP) *(For US Only)*

**Inventors:** YAMASHITA Masamichi; (JP).  
 IWADE Takashi; (JP).  
 TERADA Toyoharu; (JP).  
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**Agent:** HIROKOH Masaki; Tatsuno Nishi-Tenma Bldg., 1-6, Nishi-Tenma 3-chome, Kita-ku, Osaka-shi, Osaka 5300047 (JP)

**Priority Data:** 2009-149170 23.06.2009 JP

**Title** (EN) SOLAR BATTERY  
 (FR) PILE SOLAIRE  
 (JA) 太陽電池

**Abstract:** (EN) A solar battery module is configured so that a solar battery cell comprised of a transparent electrode, a light emitting element, and a backside electrode is formed on a substrate, and is sealed by a plastic material such as EVA. The solar battery module solves the problem that water enters through a gap between the substrate and a plastic sealing material to decompose the electric material of the

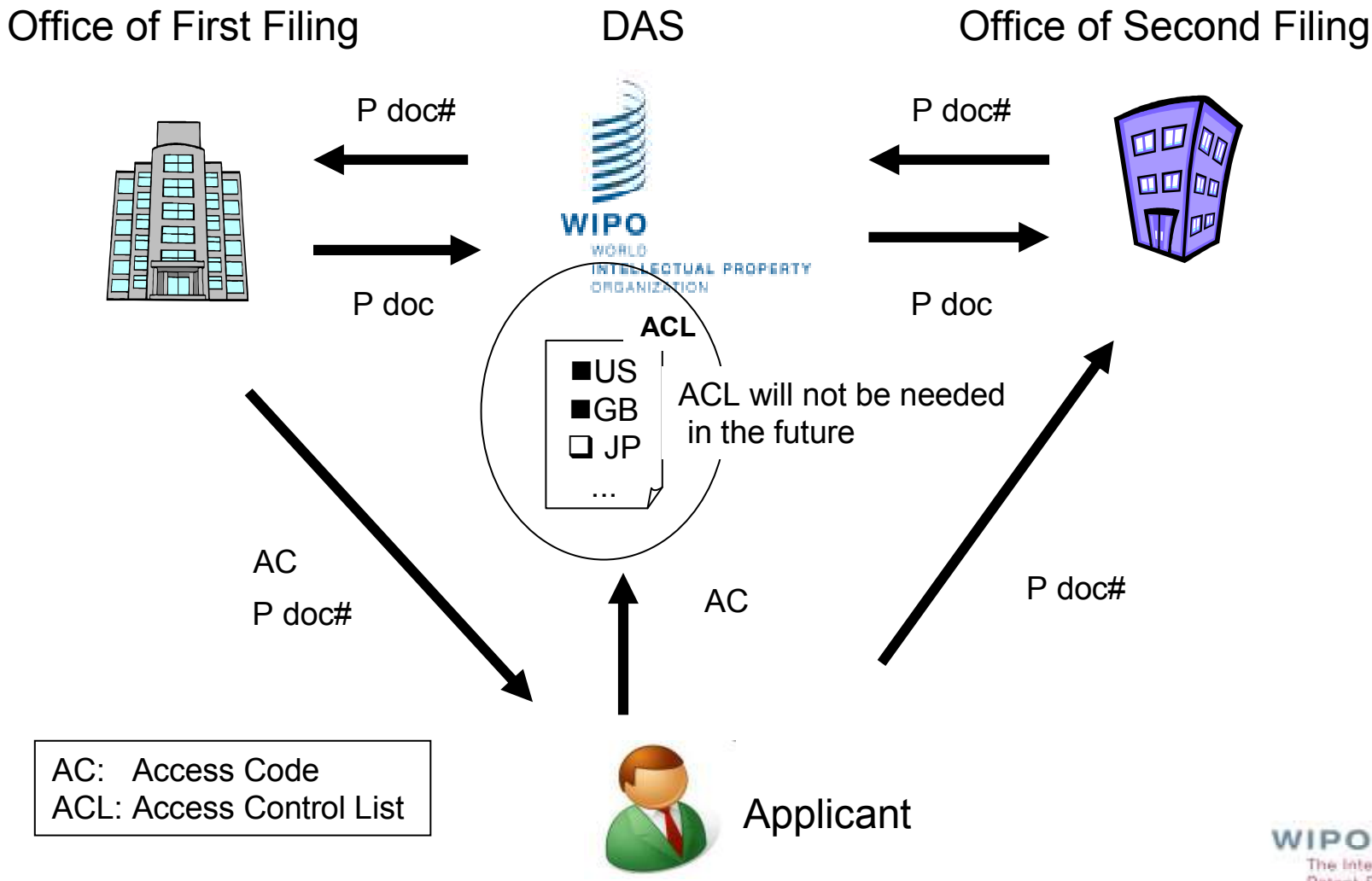


# Priority Document Access Service (DAS)

- Legal Basis (PCT application with priority claim):
  - PCT Rule 17.1(b-*bis*)(ii)
  - Administrative Instructions 715 and 716
- Applicants can request IB to retrieve priority documents from digital libraries
- Applicable to Paris route application claiming priority claim
- Applicants check offices entitled to access to DAS by Access Control List
- Participating Offices: AU, CN, ES, FI, GB, IB, JP, KR, US, DK (depositing only), SE (depositing only)



# DAS



# Promote PCT

# Promote PCT



- Cooperative activities (technical assistance, TISC, etc)
- Useful Information (PCT Applicant's guide, PCT Newsletter, etc)

## PCT NEWSLETTER

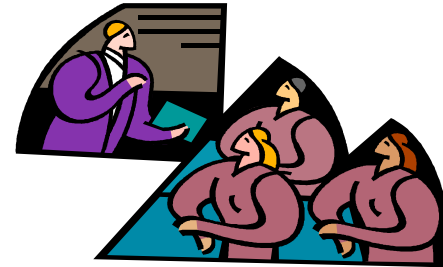
Patent Cooperation Treaty [www.wipo.int/pct/en](http://www.wipo.int/pct/en) September 2011 | No. 09/2011

### Rwanda Joins ARIPO

On 24 June 2011, Rwanda, which became bound by the PCT on 31 August 2011, deposited its instrument of accession to the Harare Protocol on Patents and Industrial Designs Within the Framework of the African Regional Intellectual Property Organization (ARIPO). Therefore, Rwanda became a member State of ARIPO with effect from 24 June 2011, and the Harare Protocol will enter into force with respect to Rwanda on 24 September 2011, bringing the number of member States of ARIPO to 18, and the number of States party to the Harare Protocol to 17.

# PCT cooperative activities

- Training and seminars
  - Offices or private users
  - Distance learning



- Legal assistance
  - Legal questions from Offices or private users
- Technical cooperation
  - Assist Offices for technical issues

# TISCs

## ■ Technology and Innovation Support Centers

## ■ Location

- National/regional patent offices
- Universities and academic institutions, etc.



## ■ Users

- Industry, researchers in universities, individual inventors, etc.

## ■ Services

- Basic service package
  - ✓ Access to patent and non-patent databases
  - ✓ Assistance for database searches
- Additional services based on user need and office capacity
  - ✓ Assistance and advice with regard to other IPRs, technology transfer, commercialization, etc.
  - ✓ Advisory services, eg., IP management

① <http://www.wipo.int/patentscope/en/programs/tisc/>

# Access to technical information

- aRDi (Access to Research for Development and Innovation)
  - It provides access to over 200 scientific and technical journals in partnership with 12 prominent publishers for 107 developing and least developed countries.
  - © <http://www.wipo.int/ardi/en/>
  
- ASPI (Access to Specialized patent Information)
  - It provides access to commercial patent databases offering sophisticated tools and services for retrieving and analyzing patent data for 115 developing and least developed countries.
  - © <http://www.wipo.int/patentscope/en/programs/aspi/index.html>

# Useful information on PCT

## ■ General Information

④ <http://www.wipo.int/pct/en/>

## ■ Office information

□ The PCT Applicant's guide

④ <http://www.wipo.int/pct/en/appguide/index.jsp>

## ■ Newsletter

□ The latest news and tips for practice

④ <http://www.wipo.int/pct/en/newslett/index.html>

# Useful information on PCT

## ■ PCT statistics

- PCT Yearly Review
- Quarterly Report
- Monthly Statistics Report

④ <http://www.wipo.int/ipstats/en/statistics/pct/>



## ■ Statistical Country Profiles

Comprehensive IP statistical data, including PCT, for individual countries

④ [http://www.wipo.int/ipstats/en/statistics/country\\_profile/](http://www.wipo.int/ipstats/en/statistics/country_profile/)



# Improve PCT

# Improve PCT



## ■ Organizing PCT meetings

- PCT Assembly

- PCT working group

- Meeting of International Authorities (MIA)

## ■ Improvement

- Change of Regulation, Administrative Instruction, etc.

- New system architecture, eg., ePCT

# ePCT

## ■ ePCT public services

- Users can upload documents electronically
- Access to confidential documents or data is not permitted

## ■ ePCT private services

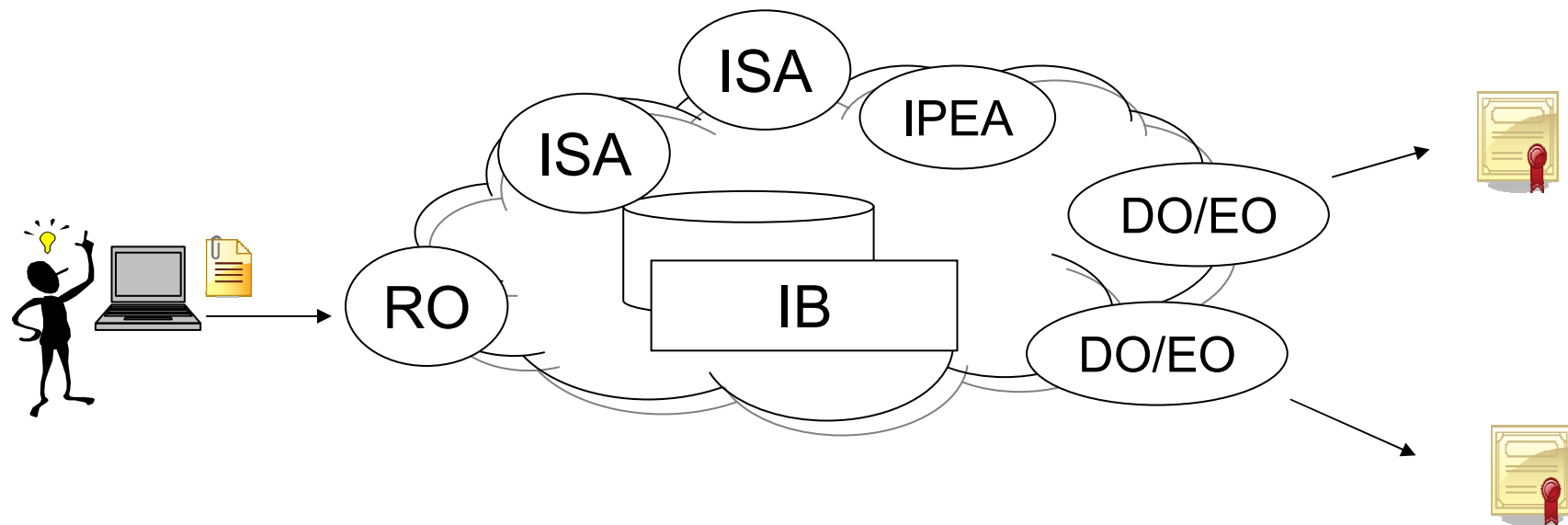
- Access to entire file of application, including confidential information
- Stronger authentication (digital certificate) required
- Available for any applicants and/or their agents in relation to any PCT applications filed since January 1, 2009
- “Applicant actions” made available (Apr.2012)
  - Withdrawal of IA, Correction of priority claims, R92bis changes

④ <https://pct.wipo.int/ePCT>

# ePCT

## Future possibilities

- Introduction of additional online services, e.g., web-based filing
- Extension of ePCT to procedures before national Offices in varying capacities (RO, ISA, SISA, IPEA, DO, EO) that wish to participate



seamless and organic network

# PCT Office feedback survey

# PCT Office feedback survey

## ■ Objective

- Assess the level of satisfaction of Offices with the PCT services provided by the International Bureau

## ■ Conducted with / how

- Offices in their capacities as receiving Office, International Searching Authority, International Preliminary Examining Authority and/or designated or elected Office under the Patent Cooperation Treaty (PCT)
- Online survey in the 6 UN languages

## ■ Conducted when

- Once a year (first quarter(Q1))

## PCT Office feedback survey – Overall Results

- Survey 2010
- 65 Offices responded
- C. PCT 1306

Service area	Satisfaction percentage (excluding N/A)	Satisfaction percentage (including N/A)
PCT cooperative activities	91	46
IT Tools	93	78
Meetings	90	83
Operations	98	92
Document availability	98	95
Translation	96	69

## PCT Office feedback survey – Overall Results

Please rate your overall satisfaction with:	TOTALLY (5)	HIGHLY (4)	SATISFIED (3)	PARTIALLY (2)	DISSATISFIED (1)	N/A	RATING AVG
PCT cooperative activities	10	13	7	2	1	32	3.9
IT Tools	7	21	23	4	0	10	3.6
Meetings	12	24	18	5	1	5	3.7
Operations	11	27	22	1	0	4	3.8
Document availability	14	23	25	1	0	2	3.8
Translation	9	15	21	2	0	18	3.7



Thank you !