



- From PCT perspective-

Tokyo 11-12 November Tokyo

Takashi YAMASHITA

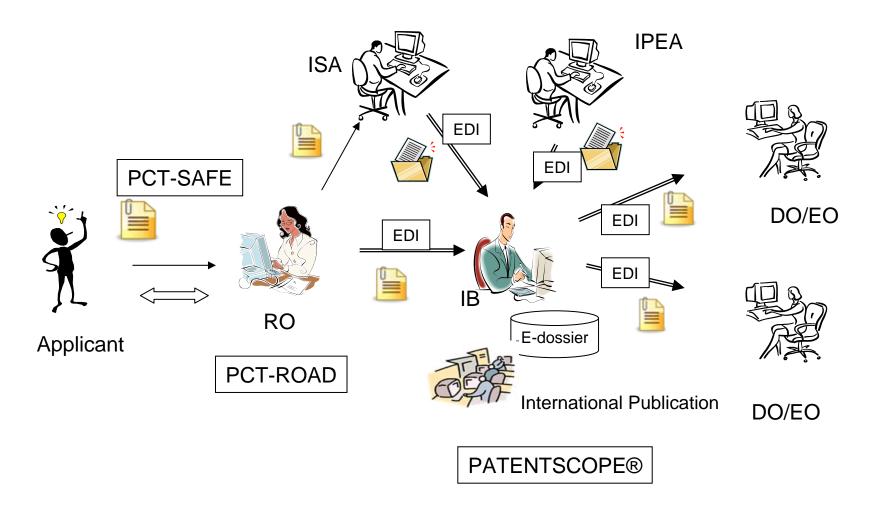
Director, PCT International Cooperation Division

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Overview of IT in PCT



WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

PCT-SAFE (1)

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



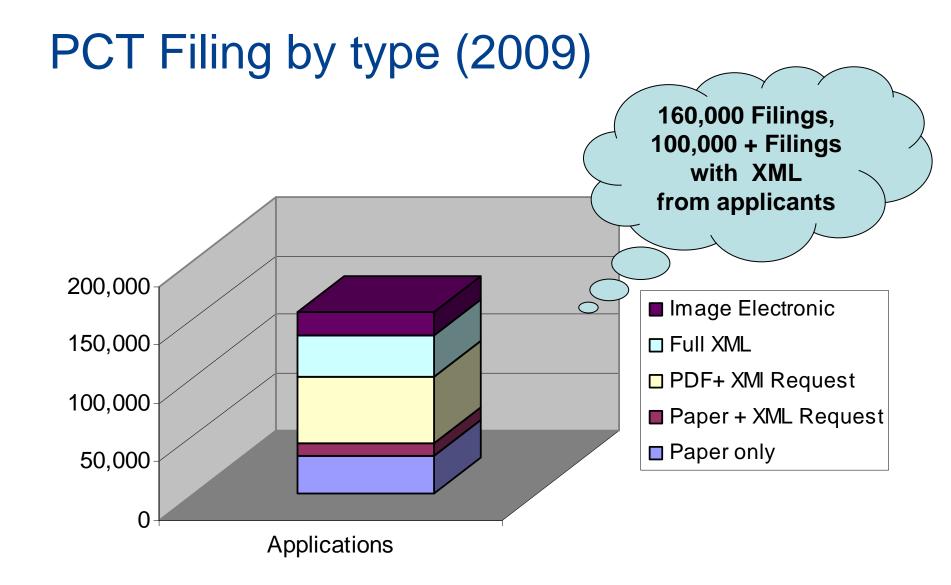
PCT-SAFE fully electronic: request, text and drawings filed on-line or on physical media, no paper required



PCT-SAFE (2)

- PCT-SAFE fully electronic filings;
 - Currently accepted by 20 ROs
 - Possible with RO/IB since February 2004 for all PCT applicants
- PCT-EASY type filings accepted by more than 70 ROs
- PCT-EASY type and fully electronic filings accounted for approximately 78% of all PCT filings in 2009
 - At RO/IB(2009)
 PCT-EASY type filings 6.7%, fully electronic filings 63.6%, paper only filings 29.7%
- (i) http://www.wipo.int/pct-safe/en/

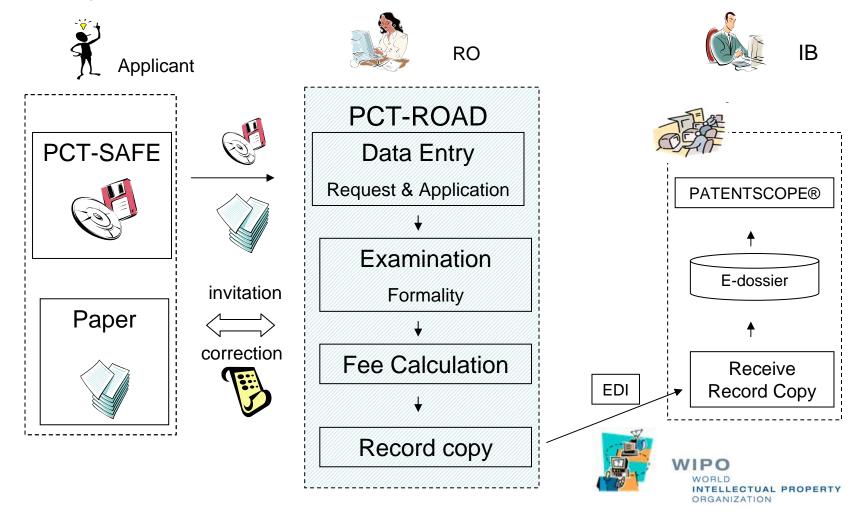






PCT-ROAD (1)

Receiving Office ADministration



PCT-ROAD (2)

- Basic functions
- Data Entry
 - Physical media (CD-ROM,FD)
 - Paper (manual entry)
- Examination
 - Ex-officio correction, formality check
- Fee calculation
- Creation of record copy to IB
- http://www.wipo.int/pct-safe/en/pctroad/index.html





PCT-EDI (1)

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
 - Implication to PCT framework (PCT/WG/3/2 para90-93)
- http://www.wipo.int/patentscope/en/pct-edi/



PCT-EDI (2)

	To	o IB Û	From RO/IB	
	Record copy	ISR	Search copy	
EPO	EDI Request-XML App. Body-TIFF			
JPO	TRINET (XML)	TRINET (PDF-TEXT)	paper	
USPTO	EDI (PDF)	EDI (PDF)	paper	
KIPO	EDI (XML)	EDI (TIFF→XML)	EDI (TIFF)	

WIPO
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Digitization (1)

Advantages

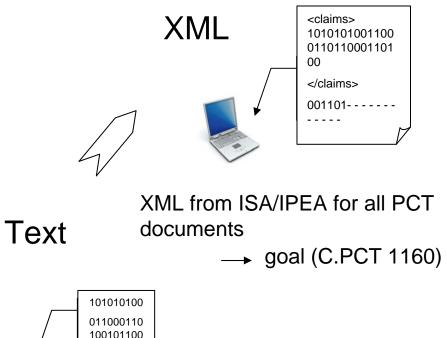


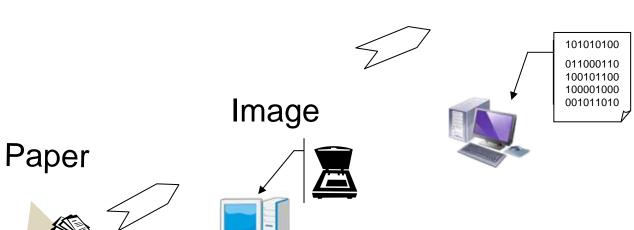
- Preservation of original documents
- Provide formats for electronic data exchange
- Enable cost effective processing
- Enhance value added quality service



Digitization (2)

Step by step depending on Office status

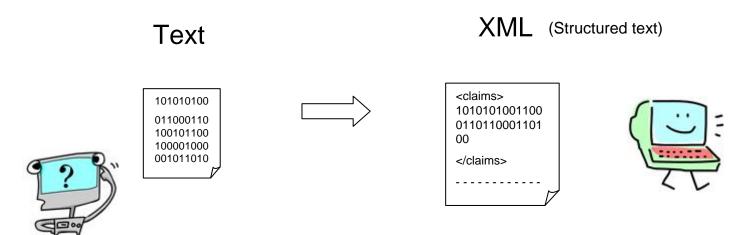






Digitization (3)

XML eXtensible Markup Language



Computer recognizes the text logically according to its tagged attributes, e.g., "claim" "abstract."

Facilitate administration, retrieval, translation

High quality service!



PATENTSCOPE® (1)

- WIPO's patent information portal site
- Published international applications are available through this portal site (<u>www.wipo.int/pctdb</u>)
- PATENTSCOPE® is not just a site of international publication. It provides powerful search engine and analytical resources, etc.
- http://www.wipo.int/patentscope/en/



PATENTSCOPE® (2)





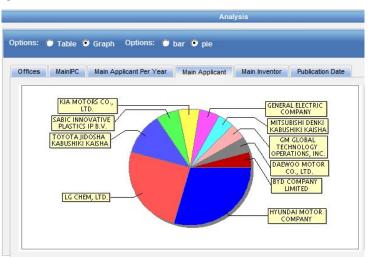
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	☐ Cuba ☐ Mexico ☐ South Africa ☐ Spain ☑ All	4"sol* panel"~5 4 elect?icit?
	☐ Argentina ☐ Singapore ☐ Israel ☐ PCT	◀ electric^10 and car^2
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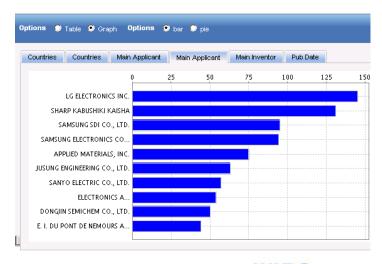


WIPO INTELLECTUAL PROPERTY ORGANIZATION

PATENTSCOPE® (3)

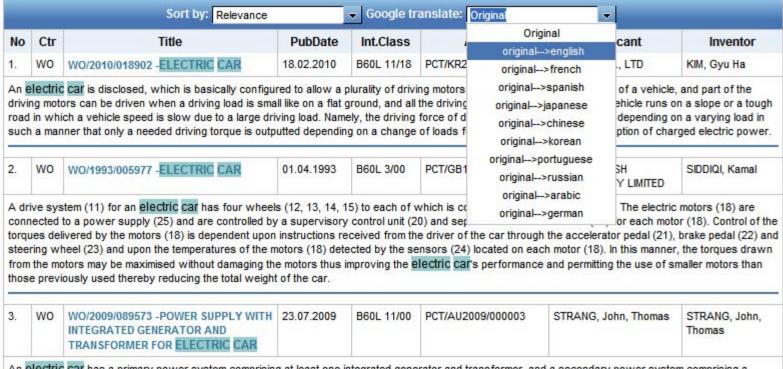






WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION

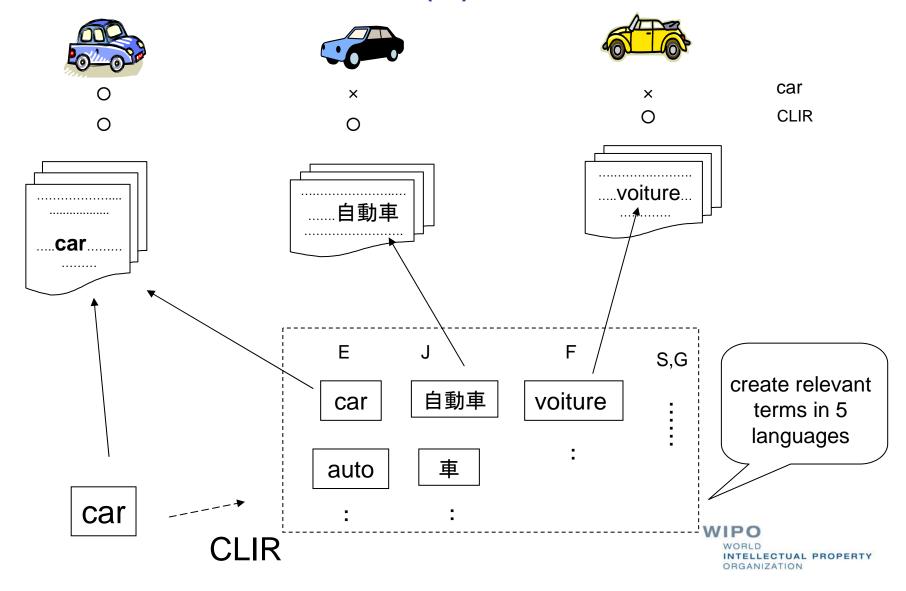
PATENTSCOPE® (4)



An electric car has a primary power system comprising at least one integrated generator and transformer, and a secondary power system comprising a contoured and streamlined solar panel roof. The integrated generator and transformer is a rotating field generator combined with a step-up transformer, and can be driven, for example, by a free wheeling front axle of the electric car. The primary supply coils and the primary and secondary transformer windings are triple coil stacked as a single unit on the stator body, and the flux pathway is optimised. Magnet keepers comprising male and female components are provided for the permanent rotor magnets.



PATENTSCOPE® (5)

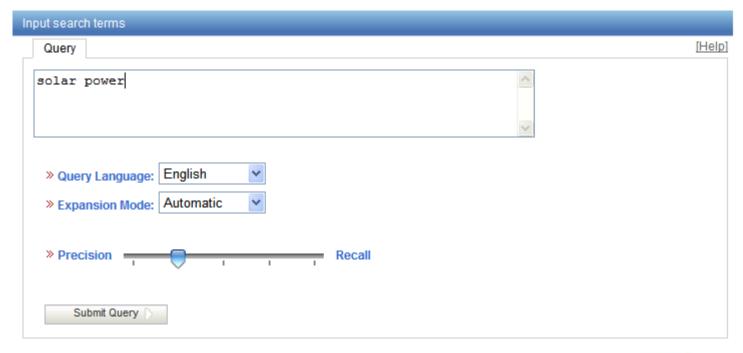


PATENTSCOPE® (6)





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http://www.wipo.int/patentscope/search/en/clir/clir.jsp http://www.wipo.int/patentscope/search/en/help/CLIR_DOC.pdf



PATENTSCOPE® (7)





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Home > IP Services > PATENTSCOPE > Database Search

Results 1-10 of 9,642 for <u>Criteria:</u>((EN_TI:("solar power" OR "solar energy"~21 OR "solar electrical"~21 OR "solar current"~21) OR EN_AB:("solar power" OR "solar energy"~21 OR "solar electrical"~21 OR "solar current"~21)) OR (DE_TI:("Solar energie" OR "Sonnenenergie") OR DE_AB:("Solar energie" OR "Sonnenenergie")) OR (ES_TI:("potencia solar"~22 OR "energia solar"~22 OR "energia solar"~22 OR "eléctrica solar"~22 OR "eléctrica solar"~22 OR "leéctrica solar"~22 OR "eléctrica solares"~22 OR "eléctrica solares"~22 OR "eléctrica solares"~22 OR "eléctrica solares"~22 OR "potencia solares"~22 OR "energia solares"~22 OR "eléctrica solar"~22 OR "potencia solares"~22 OR "eléctrica solares"~22 OR "eléctrica solares"~22 OR "energia solares"~22 OR "corriente solares"~22 OR "potencia solares"~22 OR "eléctrica solares"~22 OR "corriente solares"~22 OR "potencia solares"~22 OR "energia solares"~22 OR "corriente solares"~22 OR "potencia solares"~22 OR "energia solares"~22 OR "corriente solares"~22 OR "potencia solares"~22 OR "génération d'énergie solaire" OR "employer énergie solaire") OR FR_AB: ("transformation d'énergie solaire" OR "puissance solaire" OR "génération d'énergie solaire" OR "employer énergie solaire")) OR (JA_TI:("太陽熱 電源"~22 OR "太陽熱 電源"~22 OR "太陽熱 電源"~22 OR "太陽光 パワー"~22 OR "太陽熱 電源"~22 OR "太陽光 パワー"~22 OR "太陽光 がワー"~22 OR "太陽光 パワー"~22 OR "太陽光 パワー"~22 OR "太陽光 パワー"~22 OR "太陽光 パワー"~22 OR "太陽光 電源"~22 OR "太陽光 パワー"~22 OR "太陽光 配声"~22 OR "太陽光 記述"~22 OR "太陽光 がワー"~22 OR "太陽光 記述"~22 OR "太陽光

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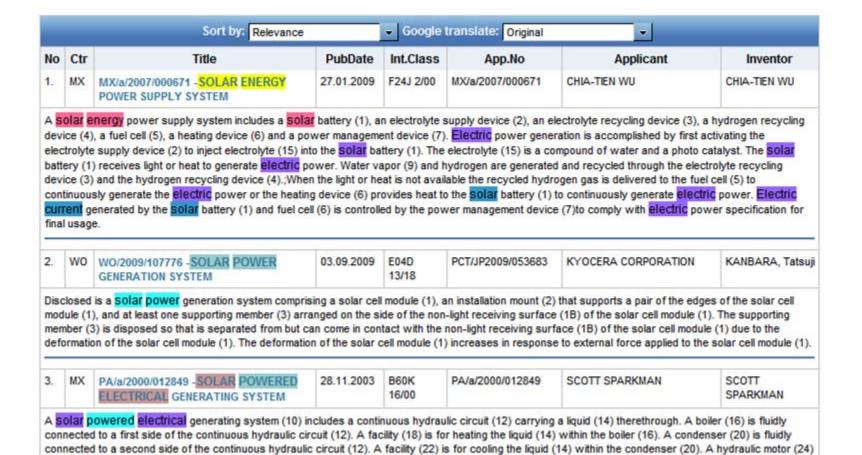
((EN_TI:("solar power" OR "solar energy"~21 OR "solar electrical"

Refine Search

RSS 🔊



PATENTSCOPE® (8)





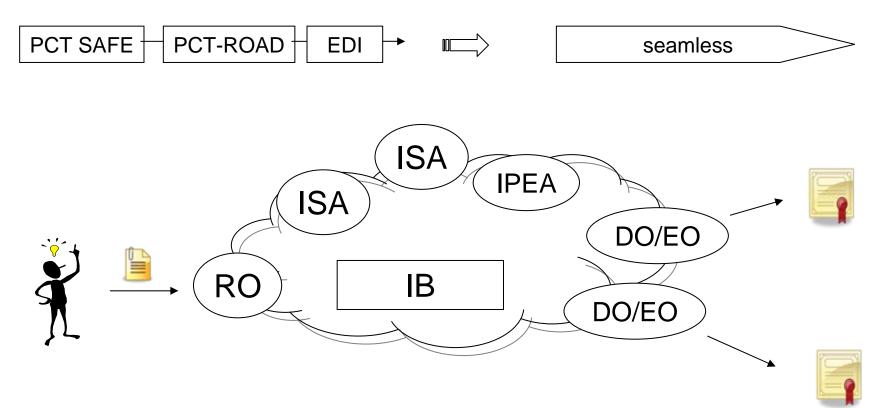
PATENTSCOPE® (9)

Input search terms					•
Term 1: solar					
Variants Domai	ins [CHEM,ENGY]				[Help]
» Keep term untrans	slated when expandir	ng query in other langu	ages		
» Less	1 1	More			
□ photovoltaic ▼	sun	marine	offshore	sunlight	
shading	photovolatic	□ sea	seaside	sun energy	
fotovoltaic	pv pv	photo voltaic	plasma treated		
Add Variant					
Term 2: power					•
Term 3: solar power					•
Translate Selected	Terms			Start Ov	er

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Possibilities for future developments (1)

network



seamless and organic network



Possibilities for future developments (2)

- Intelligent coordination among international authorities and national offices
 - Collaborative search and examination
 - Feedback of national examination



- Need to enrich corpora in different languages
- Machine translation is essential



High quality patents worldwide!!



Thank you!

