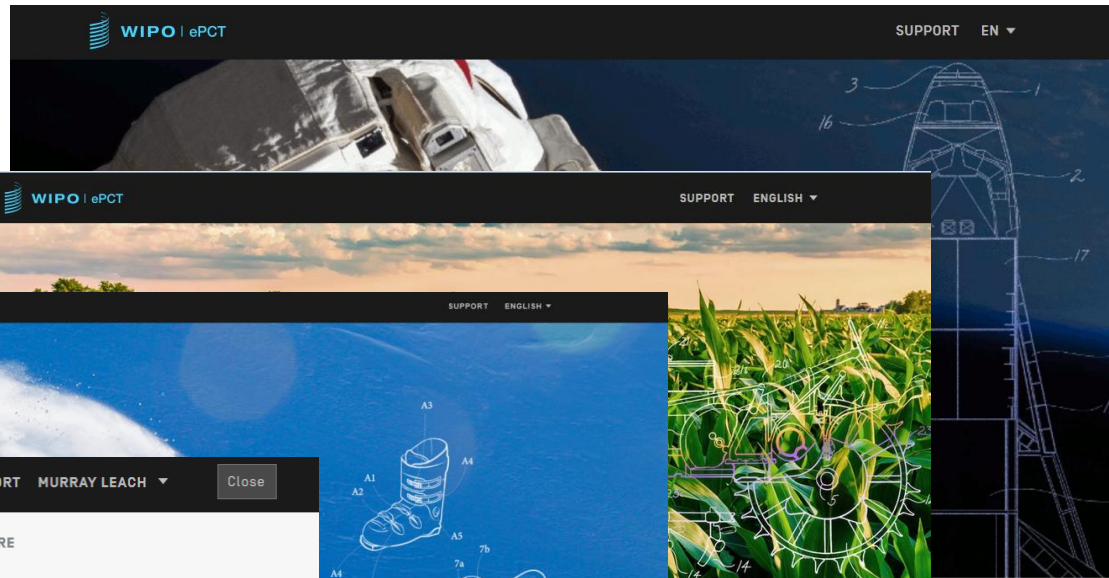


ePCT



WIPO | ePCT PW-CSE-004 GENEVA MAY 23, 2018 11:28 AM CEST SUPPORT MURRAY LEACH Close

PRIORITY DESIGNATIONS NAMES SEARCH DECLARATIONS BIOLOGY DOCUMENTS FEES SIGNATURE

VALIDATION ACCESS RIGHTS HISTORY

PW-CSE-004

Save draft Preview R0/101 Review & File

R0/IB - International Bureau of WIPO Language of Request EN - English
Current date and time at recipient Office Wednesday, 23 May 2018, 11:26 CEST Language of filing of the international application EN - English
Filing method ePCT-Filing
Make available in DAS Yes

PRIORITY CLAIMS

Prevents filing: [US - 12 Aug 2016 - 08/999,999] Priority claim is not valid: the filing date is earlier than 14 months from today's date.

National, US Filing Date 12 August 2016 08/999,999

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IA Number	IA Status	File Ref	IPD	Priority	My Rights
PCT/EP2017/090883	Not yet Published	EPtest	13 Dec 2017	28 Dec 2016	eEditor
PCT/GE2017/030001	Not yet Published	gedra2403171	24 Mar 2017		eViewer
PCT/R2011/030562	Not yet Published	ref123	12 Sep 2011		eOwner
PCT/R2011/030586	Not yet Published	123456789000	23 Sep 2011	19 Oct 2010	eOwner
PCT/R2011/030603	Not yet Published	SC-test	05 Oct 2011		eOwner
PCT/R2011/030623	Not yet Published	DemoMoscow1	17 Oct 2011		eOwner
PCT/R2011/030626	Not yet Published	666	18 Oct 2011	20 Oct 2010	eOwner
PCT/R2011/030708	Not yet Published	spot123	12 Dec 2011		eEditor
PCT/R2012/030039	Not yet Published	papula123456	03 Feb 2012	03 Oct 2011	eOwner

ePCT – Connecting the PCT

- International Bureau, single authentic PCT data source.
- Connecting Applicants, third parties, Offices in their capacities as RO, ISA, IPEA, DO.
- Offers equal full electronic services for all applicants to all ROs.
- Enables hosted services for Offices.
- Web portal and Web services interfaces.

- Full replication in 2 data centers ensuring High Availability (and Disaster Recovery).
- 24⁷ monitoring & intervention (uptime over 99% including maintenance)
- 9-18 CET Customer support (performed by processing teams)
- Software updates without service interruption

ePCT - Big Picture



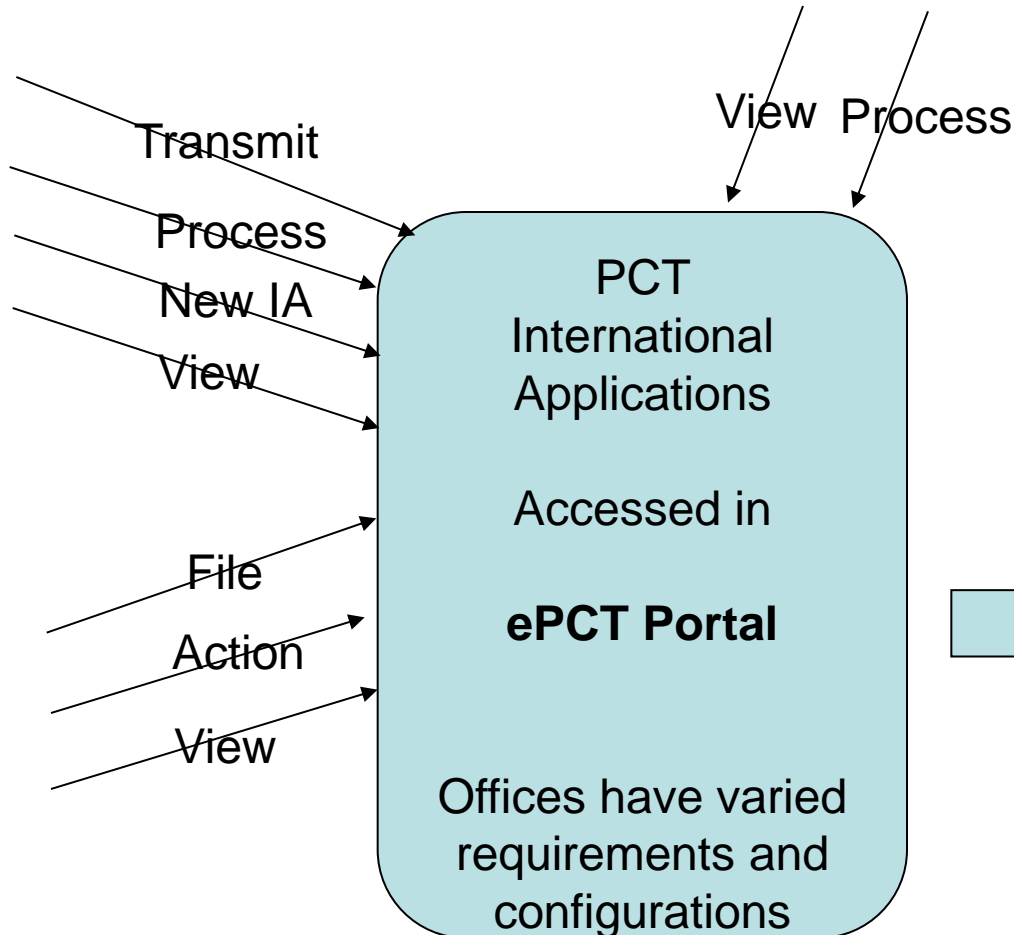
IB/ISA Officer



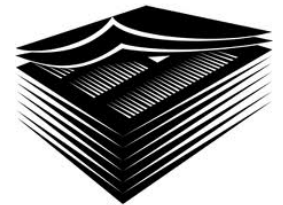
RO Officer



Applicant



Published IAs for National Phase entry



ePCT – Deployment status

- Only requirement for all participants is an Internet connection.
- Offices (and applicants) with applications can integrate using web services.
- Offices connected (covering RO,ISA,IPEA,DO): 72 + IB (350 active users)
- Hosted eFiling servers: 40 + RO/IB
- Connected to existing eFiling servers: 8
- Package preparation: 4 (CA, KR, IL, US)
- Subsequent Filed Documents (eRouting): 63 Offices (in various capacities)
- IB communication delivery (IB forms): 48 Offices
- PCT-SAFE vs ePCT: 4 still offer PCT-SAFE only (CN, GB, DE, ES).
- 40K users ever, 15K currently active, from over 100 countries .
- 5K applicants actively preparing, filing and managing their portfolios

ePCT - approach

- One data source for all:
 - Applicants – filing, private file inspection, actions
 - 3rd parties – observations
 - Offices – RO, ISA, IPEA and DO (and collaboration for S&E)
 - IB – same source as used internally
- Reduced IT Footprint
 - Harmonization of Internal & External PCT applications
 - Harmonization for applicants & Offices
 - Single source for data, reference, rules & validations
- Security at the forefront:
 - Individual accounts
 - Authentication levels vary by transaction type
 - Access rights, by user, by role, by application, document

ePCT – Authentication

- Self service registration
- Self service 2 factor authentication management covering
 - Digital certificate
 - One Time Password by SMS
 - One Time Password by App
- Office user management
 - RSA tokens for Office admins
 - Office users and roles managed by Office admins.
- Authentication and access managed by centralized Single Sign On.
 - Used in Global IP Platform
- Central Identity Management controls access to portal and web services.
- Adopted industry standards using OAuth2 and OpenID connect.
- Open technology used is cloud ready, supporting cross platform federation protocols.

ePCT – M2M Web services

- Can offer all services that are provided by the current portal and more.
- ePCT is API driven, based on Annex F and ST.36 xml structures.
- Based on the same architecture as web portal interface.
 - Implementation exposes micro services implemented internally.
 - Role based access to services.
- Ease of use greatly varies
 - Document download / upload – simple, however providing limited processing efficiency gains.
 - Coded 92bis request – complex, however provides high value in terms of processing efficiency gains.
- Business applicability covers whole spectrum:
 - Pre-filing validations
 - International phase updates
 - Entering national phase
- Structured data is key to enabling efficiency gains.

ePCT – Next steps

- Promote write once, reuse everywhere
 - M2M: Increase exposed functional coverage
 - PCT rules engine; PCT forms rendering; Docx converter
 - M2M: Increase integration with large IT systems
 - Offices; Applicants/Agents, Software vendors
- SDLC
 - Increase automated test coverage (currently at 50%)
 - Promote micro service architecture / orchestration
 - Promote cloud ready components with containerization
- Global IP Platform
 - Investigate applicability of AI, Machine Learning, block chain and big data
 - Develop web components for integration with the platform