



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
61/407,358	10/27/2010		220	RALEP039+		

CONFIRMATION NO. 4268

21912
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

FILING RECEIPT



OC000000044561376

Date Mailed: 11/22/2010

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Gregory G. Raleigh, Woodside, CA;

Power of Attorney:

Michael Schallop--44319

If Required, Foreign Filing License Granted: 11/18/2010

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 61/407,358**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

SERVICE CONTROLLER AND SERVICE PROCESSOR ARCHITECTURE

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international

patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and

Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

Doc Code: **TR.PROV**

Document Description: Provisional Cover Sheet (SB16)

PTO/SB/16 (04-07)

Approved for use through 06/30/2010 OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Provisional Application for Patent Cover Sheet

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c)

Inventor(s)

Inventor 1

Remove

Given Name	Middle Name	Family Name	City	State	Country i
Gregory	G.	Raleigh	Woodside	CA	US

All Inventors Must Be Listed – Additional Inventor Information blocks may be generated within this form by selecting the **Add** button.

Add

Title of Invention	SERVICE CONTROLLER AND SERVICE PROCESSOR ARCHITECTURE
Attorney Docket Number (if applicable)	RALEP039+

Correspondence Address

Direct all correspondence to (select one):

☒ The address corresponding to Customer Number ☐ Firm or Individual Name

Customer Number 21912

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☒ No.

☐ Yes, the name of the U.S. Government agency and the Government contract number are:

Entity Status

Applicant claims small entity status under 37 CFR 1.27

☐ Yes, applicant qualifies for small entity status under 37 CFR 1.27☒ No**Warning**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Signature

Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Michael J. Schallop/			Date (YYYY-MM-DD)	2010-10-27
First Name	Michael J.	Last Name	Schallop	Registration Number (If appropriate)	44319

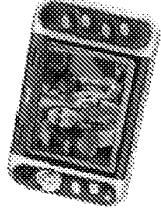
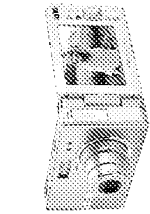
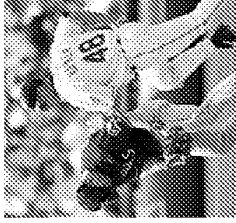
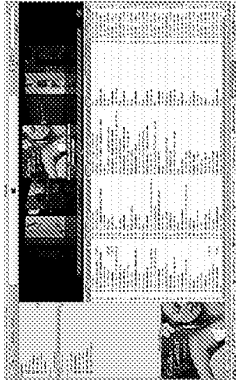
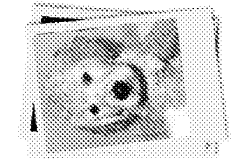
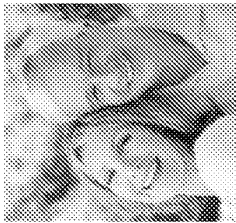
This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **This form can only be used when in conjunction with EFS-Web. If this form is mailed to the USPTO, it may cause delays in handling the provisional application.**

Privacy Act Statement

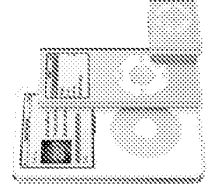
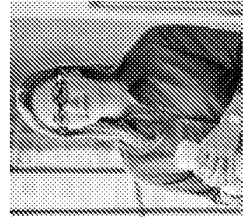
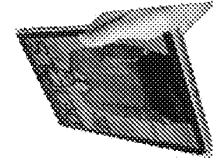
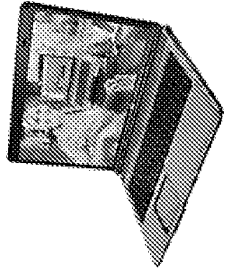
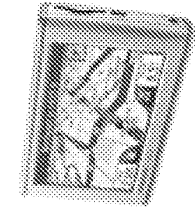
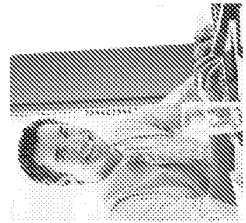
The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that : (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

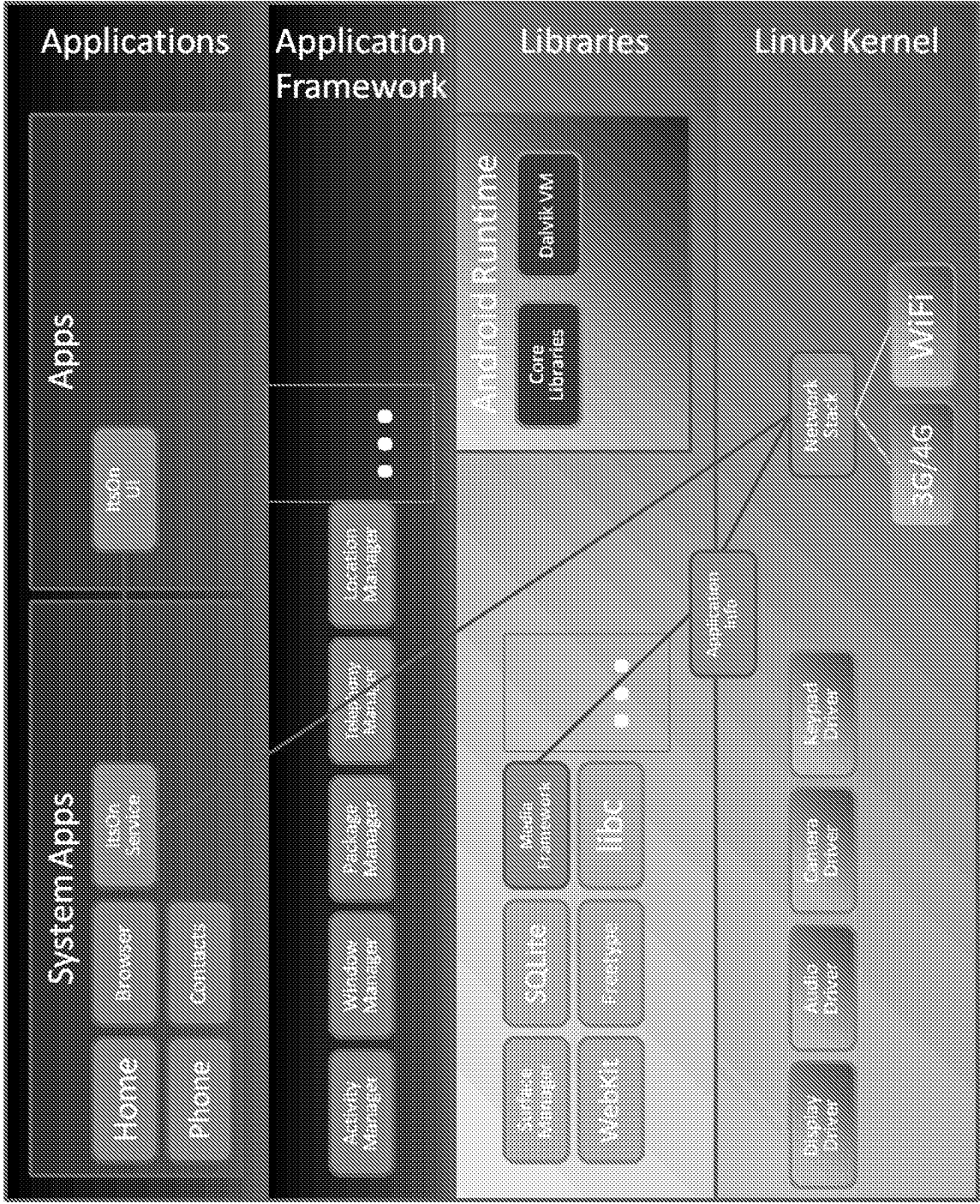
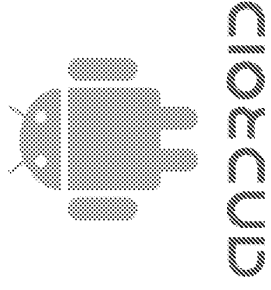
1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to a n other federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



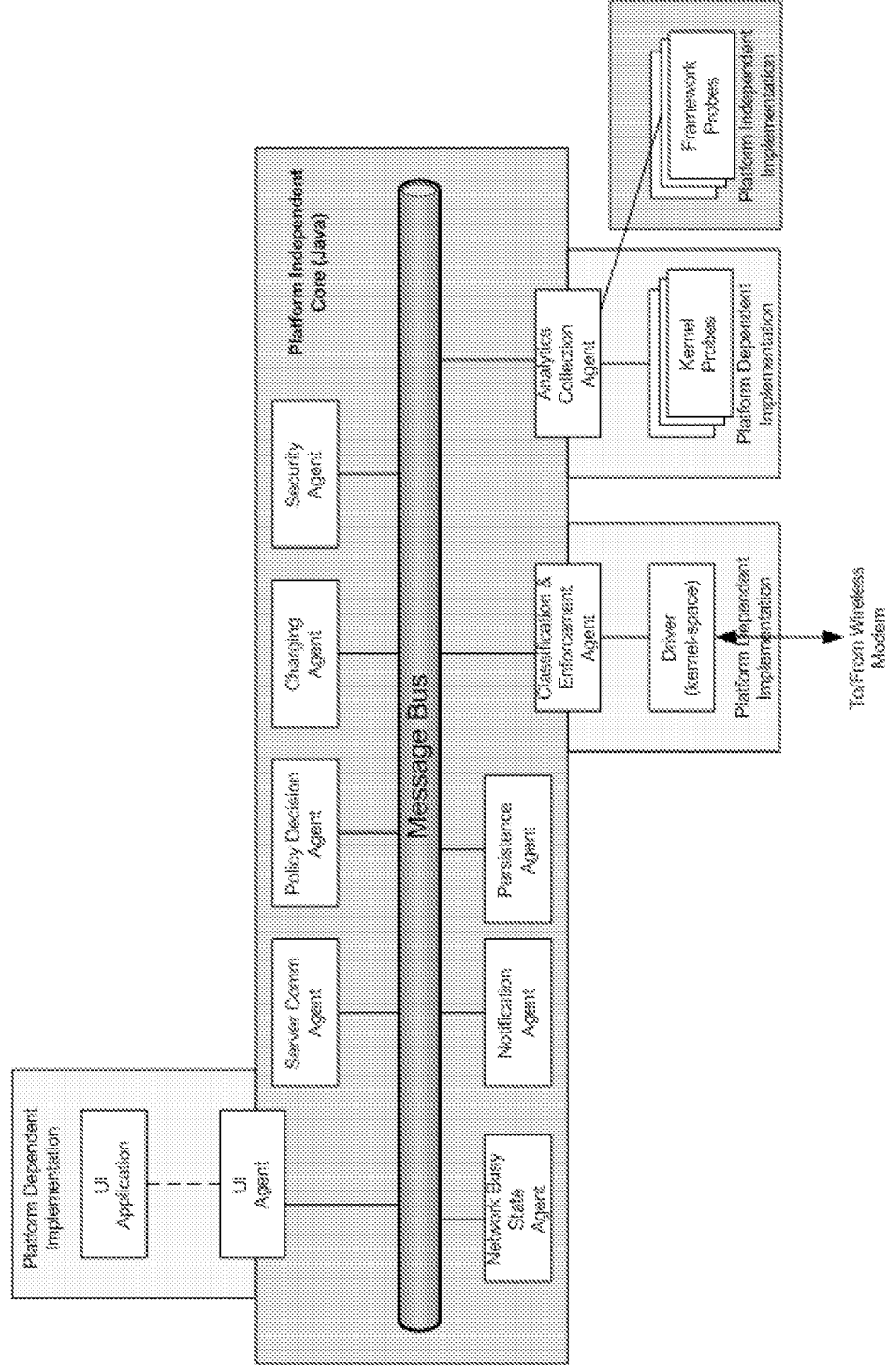
ItsOn Service Processor and Service Controller Architecture Overview



ItsOn in Android



Service Processor Architecture Overview



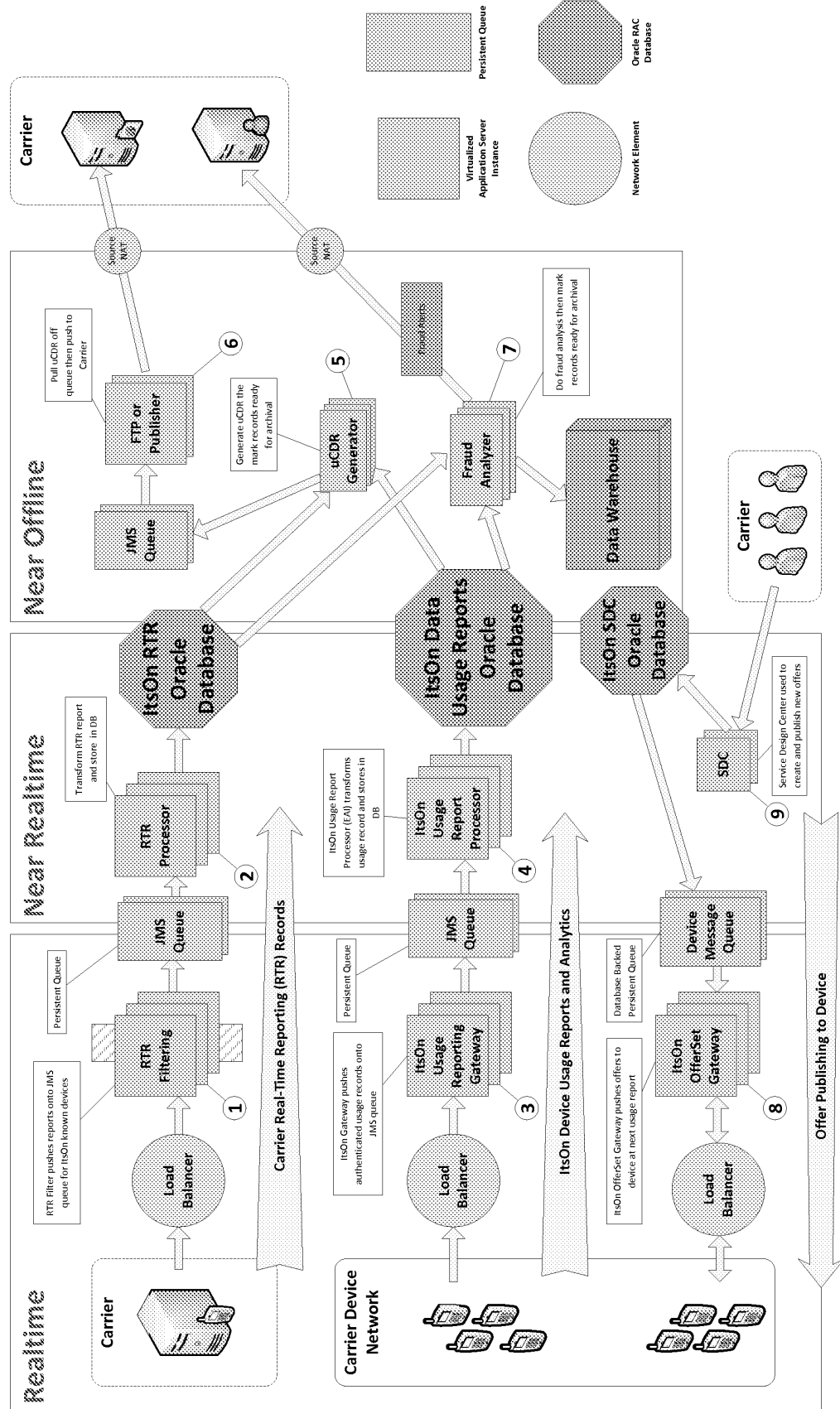
Service Processor Agent Description



Agent	High Level Functions
UI	Communicates events between the UI applications and the core services (e.g., notification messages, plan selection, etc.).
Server Comm	Communicates messages between the Service Controller (cloud) and the Service Processor (client).
Policy Decision	Manages policy state based on usage events received from the charging agent, network busy state and available networks. Communicates policy updates to Classification & Enforcement.
Charging	Processes usage reports from Classification & Enforcement, generates usage reports for the Service Controller and UI, and generates "% of plan" usage updates for Policy Decision and Notification Agents.
Security	Verifies integrity of the Service Processor agents, authenticates with the Service Controller, verifies usage vs. policy limits. Reports abnormalities to the Service Controller.
Network Busy State	Monitors network-busy information and generates Network Busy State change events for Policy Decision (to update policy state).
Notification	Receives usage updates from Charging and action events (e.g., block, cap, throttle, etc.) from Classification & Enforcement and generates the appropriate Notifications (based on policy) and sends the events to UI Agent.
Persistence	Manages and controls access to/from locally persisted data storage (e.g., local usage data, current policy set, etc.).
Classification & Enforcement	Interfaces with the Driver to communicate policy set for enforcement and to receive usage stats and event actions (e.g., cap, block, throttle, etc.).
Analytics Collection	Collects analytics information from all of the probes in the system, normalizes them, stores them locally, periodically sends them to Service Controller via Server Comm.



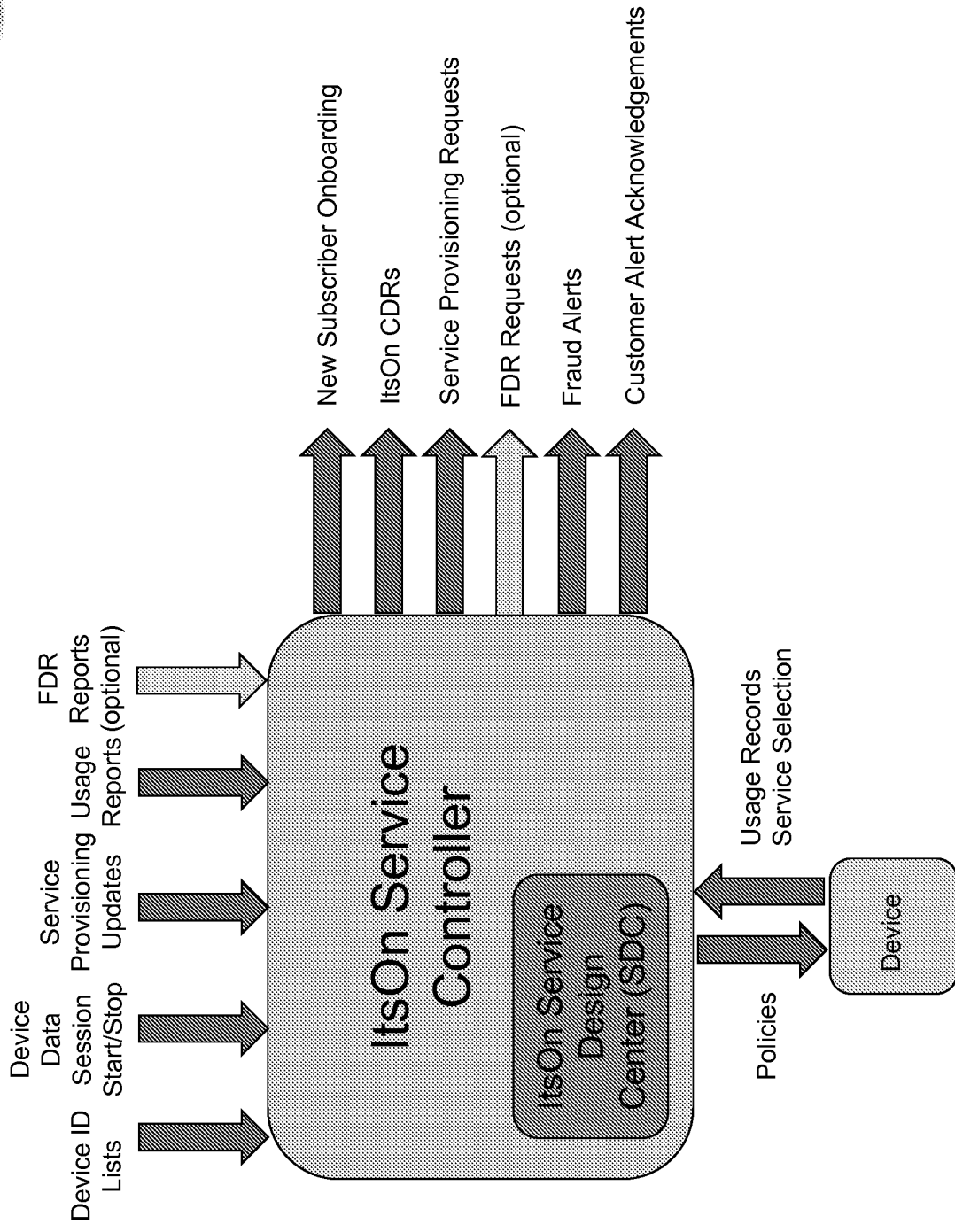
Service Controller Deployment Overview

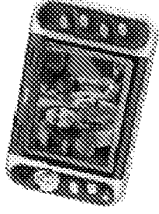
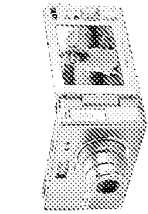
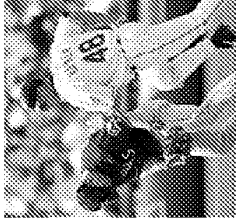
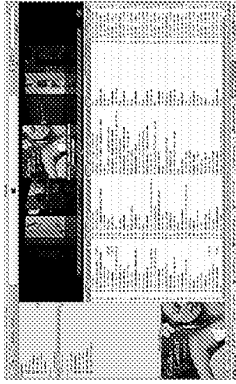
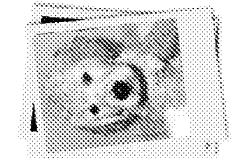
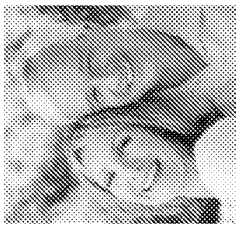


Headwater Partners I and ItsOn, Inc. | Proprietary and Confidential

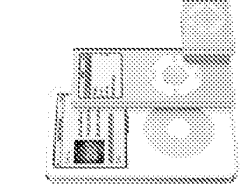
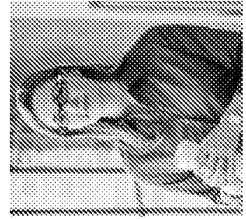
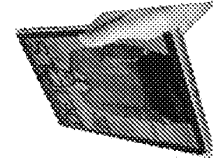
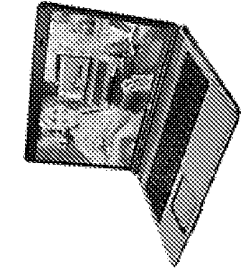
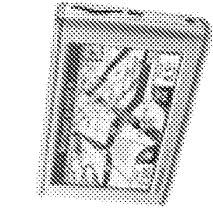
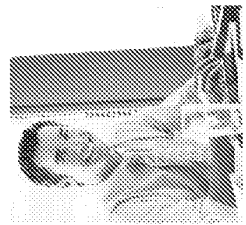


Service Controller Overview





Service Controller Interfaces and Workflows



Device List Interface (Inbound)



- Purpose: Provide ItsOn Service Controller with device ID and credentials of devices that are ItsOn-enabled. Devices are loaded to the ItsOn Service Controller and associated with the appropriate Device Group.
Devices must be loaded to the ItsOn Service Controller prior to the end-user attempting to use the ItsOn Service Processor/Client on the device.
- Preferred Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Alternative Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Data Elements:
 - IMSI/MSID
 - MDN/MSIDSN
 - MEID/IMEI
 - Device Group

Device Data Session Start/Stop Interface (Inbound)



- Purpose: Provide ItsOn Service Controller notification when a user data session starts and stops.
- Preferred Interface Strategy: Single Device
 - Protocol: Radius or Diameter (Note: Diameter could provide “interim accounting” updates)
 - Format: Fixed length records
- Alternative Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Data Elements:
 - IMSI/MSID
 - MEID/IMEI
 - Status (Start/Stop/Interim)
 - Bytes MO (optional)
 - Bytes MT (optional)

Service Provisioning Update Interface (Inbound)



- Purpose: Provide ItsOn Service Controller with updated service plan selections for a device. Service Provisioning Updates are sent only for ItsOn-enabled devices.
- Interface is optional, depends on implementation
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - IMSI/MSID
 - MDN/MSISDN
 - MEID/IMEI
 - Service plan selection information
 - Service plan/charging code(s)
 - Plan start/end date/time(s)

Network Usage Report Interface (Inbound)



- Purpose: Provide ItsOn Service Controller with data usage information for a device. Network Usage Reports are sent only for ItsOn-enabled devices.
- Preferred Interface Strategy: Single Device
 - Protocol : Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - IMSI/MSID
 - MDN/MSISDN
 - MEID/IMEI
 - Usage report start time
 - Usage report end time
 - MO bytes used
 - MT bytes used
 - Service plan/charging code
 - Percentage of plan used

FDR Report Interface (Inbound)



- * Purpose: Provide ItsOn Service Controller with detailed data usage information for a device, based on a prior FDR Report request initiated by the ItsOn Service Controller
- * Interface is optional – depends on implementation
- * Preferred Interface Strategy: Single Device
 - * Protocol1: Web Services
 - * Format1: XML
- or
- * Protocol2: GTP
- * Format2: GTP'
- * Alternative Interface Strategy: Batch
- * Protocol: FTP
- * Format: Fixed length records
- * Data Elements:

* IMSI/MSID	* Usage data []
* MDN/MSISDN	* Remote IP address
* MEID/IMEI	* Remote port
* Usage report start time	* MO bytes used
* Usage report end time	* MT bytes used

New Subscriber Onboarding Interface (Outbound)



- Purpose: Provide carrier systems with initial subscriber, billing, device and service selection information
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - Device data (MEID, IMSI, etc.)
 - Subscriber data (name, address, etc.)
 - Billing data (credit card info, billing address, etc.)
 - Selected service plan(s)/charging code(s)
 - Acceptance of T&C



ItsOn CDR Delivery Interface (Outbound)

- Purpose: Provide carrier systems with detailed device usage information
- Preferred Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Alternative Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Data Elements:
 - MEID/IMEI
 - IMSI/MSID
 - MDN/MSISDN
 - Start Time
 - End Time
 - Usage Data[]
 - Service plan/charging code
 - MO bytes used
 - MT bytes used

Service Provisioning Request Interface (Outbound)



- Purpose: Provide carrier systems with subscriber service selection information
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - MEID/IMEI
 - IMSI/MSID
 - MDN/MSISDN
 - Selected service plan(s)/charging code(s)
 - T&C Acceptance

FDR Request Interface (Outbound)



- Purpose: Request FDRs for a specific subscriber for a specific period of time
- Interface is optional – depends on implementation
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - MEID/IMEI
 - IMSI/MSID
 - MDN/MSISDN
 - Start time
 - End time

Fraud Alert Interface (Outbound)



- Purpose: Notify carrier systems of potential fraud detection
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - MEID/IMEI
 - IMSI/MSID
 - MDN/MSISDN
 - Fraud start time
 - Fraud end time
 - Affected service plan/charging code
 - Fraud Reason Code (e.g., no device report, count mismatch, etc.)

Customer Acknowledgement Interface (Outbound)



- Purpose: Notify carrier systems of end-user selecting “Acknowledge” on notifications that have an “Acknowledge” option specified
- Preferred Interface Strategy: Single Device
 - Protocol: Web Services
 - Format: XML
- Alternative Interface Strategy: Batch
 - Protocol: FTP
 - Format: Fixed length records
- Data Elements:
 - MEID/IMEI
 - IMSI/MSID
 - MDN/MSISDN
 - Acknowledge time
 - Acknowledge event (e.g., allow overage)
 - Acknowledge service plan/charging code(e.g., 50 MB browsing plan)

Service Selection/Provisioning Workflow



- Purpose: Enable the end-user to purchase service on the device
- Process:
 - End-user selects service(s) for purchase on the device
 - ItsOn Service Processor (SP) sends service selection(s) to ItsOn Service Controller (SC)
 - ItsOn SC sends message over Service Provisioning Request Interface
 - ItsOn SC receives update on Service Provisioning Update Interface
 - ItsOn SC generates a policy set for the ItsOn SP
 - ItsOn SC sends the policy set to the ItsOn SP
 - ItsOn SP applies policy set to the device

Usage Verification Workflow



- Purpose: Validate ItsOn device data usage reports with carrier usage reports
- Process:
 - ItsOn SP sends periodic usage updates to the ItsOn SC
 - Carrier usage reporting system sends device usage report to ItsOn SC
 - For the time period specified in the carrier usage report, the ItsOn SC performs validation of ItsOn SP records vs. policy limits, usage metrics, etc. If an error is detected:
 - ItsOn SC requests FDR data for the time period specified in the carrier usage report
 - ItsOn SC sets the “potential fraud” indicator for this device and time period
 - For the time period specified in the carrier usage report, ItsOn SC compares aggregated usage counts in the carrier usage report vs. ItsOn SP usage reports. If an error is detected:
 - ItsOn SC requests FDR data for the time period specified in the carrier usage report
 - ItsOn SC sets the “potential fraud” indicator for this device and time period
 - If the “potential fraud” indicator is not set, ItsOn SC generates ItsOn CDR records (with detailed charging codes) for the device usage for the time period specified in the carrier usage record and sends the CDRs to the carrier via the ItsOn CDR Interface.
 - If the “potential fraud” indicator is set:
 - ItsOn SC waits for the FDRs report for the device
 - When the FDR report is received, ItsOn SC performs validation of device usage reports vs. FDR usage reports. If the counts do not agree, ItsOn SC sends a Fraud Alert message via the Fraud Alert interface
 - If the counts agree, ItsOn SC generates ItsOn CDR records (with detailed charging codes) for the device usage for the time period specified in the carrier usage record and sends the CDRs to the carrier via the ItsOn CDR Interface.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		SERVICE CONTROLLER AND SERVICE PROCESSOR ARCHITECTURE		
First Named Inventor/Applicant Name:		Gregory G. Raleigh		
Filer:		Michael J. Schallop/Veronica Pula		
Attorney Docket Number:		RALEP039+		
Filed as Large Entity				
Provisional Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Provisional application filing	1005	1	220	220
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				220

Electronic Acknowledgement Receipt	
EFS ID:	8715340
Application Number:	61407358
International Application Number:	
Confirmation Number:	4268
Title of Invention:	SERVICE CONTROLLER AND SERVICE PROCESSOR ARCHITECTURE
First Named Inventor/Applicant Name:	Gregory G. Raleigh
Customer Number:	21912
Filer:	Michael J. Schallop/Veronica Pula
Filer Authorized By:	Michael J. Schallop
Attorney Docket Number:	RALEP039+
Receipt Date:	27-OCT-2010
Filing Date:	
Time Stamp:	18:41:19
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$220
RAM confirmation Number	5157
Deposit Account	500685
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Provisional Cover Sheet (SB16)	RALEP039plus_Provisional_Application_Coversheet.pdf	999996	no	3
			ad4284d9bc2b7534cf8fa0e90d0d428f5a8d1950		
Warnings:					
Information:					
2	Specification	RALEP039plus_App.pdf	1094901	no	20
			dd73cf63561713e8cfd31c0b6bca449d69984b9		
Warnings:					
Information:					
3	Fee Worksheet (PTO-875)	fee-info.pdf	29463	no	2
			e55025f02de46bf07686f15c44ad976d28dc7de		
Warnings:					
Information:					
Total Files Size (in bytes):			2124360		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					