Dashboard Technical Specifications -- SaaS

Contents

Introduction

The Dolcera Dashboard is a web application for managing and organizing patents, product information, and scientific literature. This application is used for a variety of purposes including patent review/clearance, and by different enterprise users including attorneys, licensing professionals, engineers, and executives.

Use Cases

The typical use cases for the Dolcera Dashboard are as follows:

1. Freedom-to-practice or clearance search
2. Patent portfolio analysis
3. Competitive intelligence
4. Patent landscaping
5. Patent-to-product mapping
6. Patent-to-standard mapping

User Communities

The typical users of the Dolcera Dashboard include:

1. Patent attorneys
2. Patent managers
3. Patent searchers
4. Engineers, scientists and inventors
5. Licensing and business development professionals
6. Senior executives
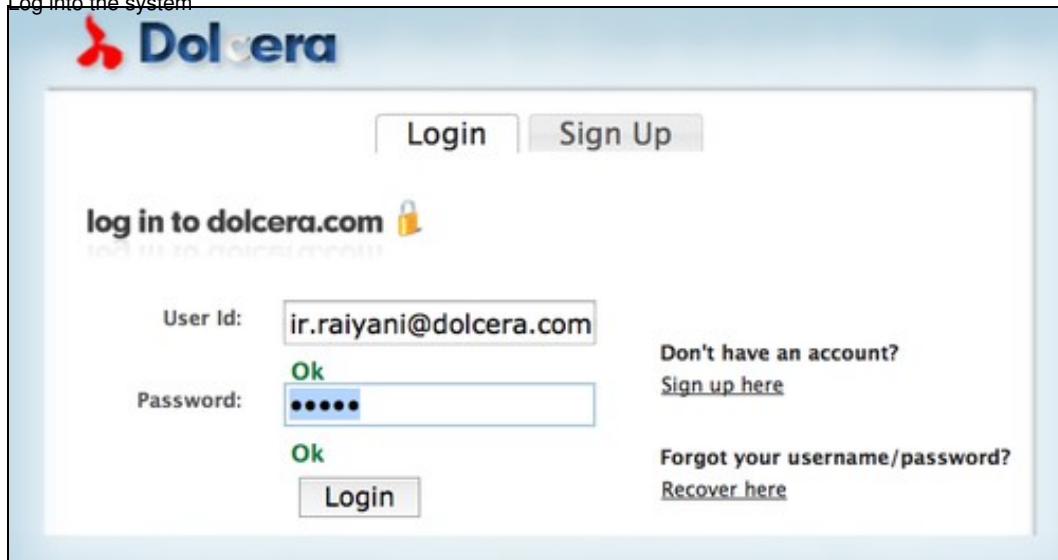
What is the Dolcera Dashboard?

The Dolcera Dashboard is an interactive web application used to:

1. Organize large quantities of patent, scientific and product literature
2. Manage patent review workflows
3. Assist in collaboration with colleagues and partners around the world
4. Help technology teams, patent counsels, and key decision makers in monitoring the competitive landscaping and finding key partners

Workflow

A typical workflow is described below:

1. Log into the system

Login screen

2. Select the dashboard (workfile)

| Dashboards | Wikis | Create Dashboard | Edit Profile | Tutorial |

Dashboards

- WiMax dashboard
- RNAi dashboard
- Femtocell Network Category Dashboard
- Femtocell Problem Solution Mapping Dashboard

Dashboard Groups

- Alopecia Areata dashboard
- Automotive dashboard

Select dashboard

3. Create categories (taxonomy)

Add under - Mobile Wi-MAX

Parent Category: Mobile Wi-MAX

Category Name: *

Category Description:

[Add] [Cancel]

Add taxonomy categories

4. Add patents

Add patents text box:
```
US4567890
US20070155431
US20070206688
WO2007098977
US20070183522
```

Lookup

	Pub Num	Title	Assignee
☐	US4567890A	Pairof bipolar diathermy for	(No Company)
☐	US20070155431A1	METHOD OF SEMIDYNAMIC	ALCATEL LUCENT
☐	US20070206688A1	METHOD FOR PERFORMING	ALCATEL LUCENT
☐	WO2007098977A1	METHOD FOR PERFORMING	ALCATEL LUCENT
☐	US20070183522A1	Measuring interference and	BECEEM COMMUNICATIONS INC.

Add Selected   **Clear All**   **Cancel**

Add patents

5. Review charts

Frame structure - ALL COMPANIES

Review charts

6. Review patents

	Publication		Title	Assignee	Pub	App	R
	US20070155431A1		Method of semidynamic centralized interference coordination for cellular systems	Alcatel Lucent	2007	2007	
	US20070206688A1		Method for performing active cancellation of inter-cell interference in a cellular wireless access system	Alcatel Lucent	2007	2007	
	WO2007098977A1		Method for performing resource allocation in a radio communication system	Alcatel Lucent	2007	2007	
	US20070171304A1		Method and apparatus for using the video blanking period for the maintenance of a modem that is used	Amimon Ltd.	2007	2007	
	US20070133496A1		Resource allocation in a wireless network	Arraycomm Inc	2007	2007	
	WO2007084682A1		Systems and methods for forward link closed loop beamforming	Atc Technologie	2007	2007	
	US20070183522A1		Measuring interference and noise power using non-content burst periods	Beceem Comm	2007	2007	
	US20070140209A1		Methods for the synchronization of multiple base stations in a wireless communication system	Broadcom Corp	2007	2007	
	US20070133386A1		Downlink signal configuring method and device in mobile communication system, and synchronization	Electronics And	2007	2003	
	US20070133481A1		Framing for an adaptive modulation communication system	Ensemble Com	2007	2007	
	US20070173198A1		Method and system for allocating resource in a communication system	Fujitsu Limited	2007	2007	
	US20070177627A1		Processors for network communications	Fujitsu Limited	2007	2007	
	US20070189047A1		Power control method for uplink in mobile communication and apparatus thereof	Hanaro Telecon	2007	2007	
	US20070207737A1		Explicit outband signaling method in a wireless network supporting cognitive radio technology	Inha Industry F	2007	2007	

US20070155431A1
METHOD OF SEMIDYNAMIC CENTRALIZED INTERFERENCE COORDINATION FOR CELLULAR SYSTEMS

Priority Date (y-m-d): 2006-01-05
First Inventor: MUNZNER ROLAND   DE

US Class (primary): 455560
IPC Class (primary): H04B00138

Abstract:
A radio access network, wherein the RAN comprises a plurality of base stations and a base station controller, wherein the BSC allocates radio resources (space, time, frequency, energy) of a resource domain, and wherein each base station may handle within a corresponding base station area a plurality of subscriber stations, is characterized in that each base station area is statically divided into a plurality of spatial subsectors, that a subset of the time-frequency domain of the resource

Claims:
1. Method for operating a radio access network, wherein the RAN comprises a plurality of base stations and a base station controller, wherein the base station controller allocates radio resources (space, time, frequency, energy) of a resource domain, and wherein each base station may handle within a corresponding base station area a plurality of subscriber stations, wherein each base station area is statically divided into a plurality of spatial subsectors, that a subset of the time-frequency domain of the resource domain is allocated to each of the subsectors, that the base stations collect traffic information for each subsector belonging to their respective base station area, the traffic information comprising interference conflict scenarios and traffic load, that the base stations summarize the traffic information for each subsector belonging to their respective base station area, that the base stations provide the base station controller with said summarized traffic information for each subsector belonging to their respective base station area regularly, in particular periodically, that the base station controller analyses the summarized traffic information for each subsector and re-allocates subsets of the time-frequency domain to the subsectors regularly, in particular periodically, in

Review patents
7. Search patents

Search patents
8. Tag patents

Tag patents
9. Add review notes for patents

Patent notes
10. Export patents and analysis

Export patents

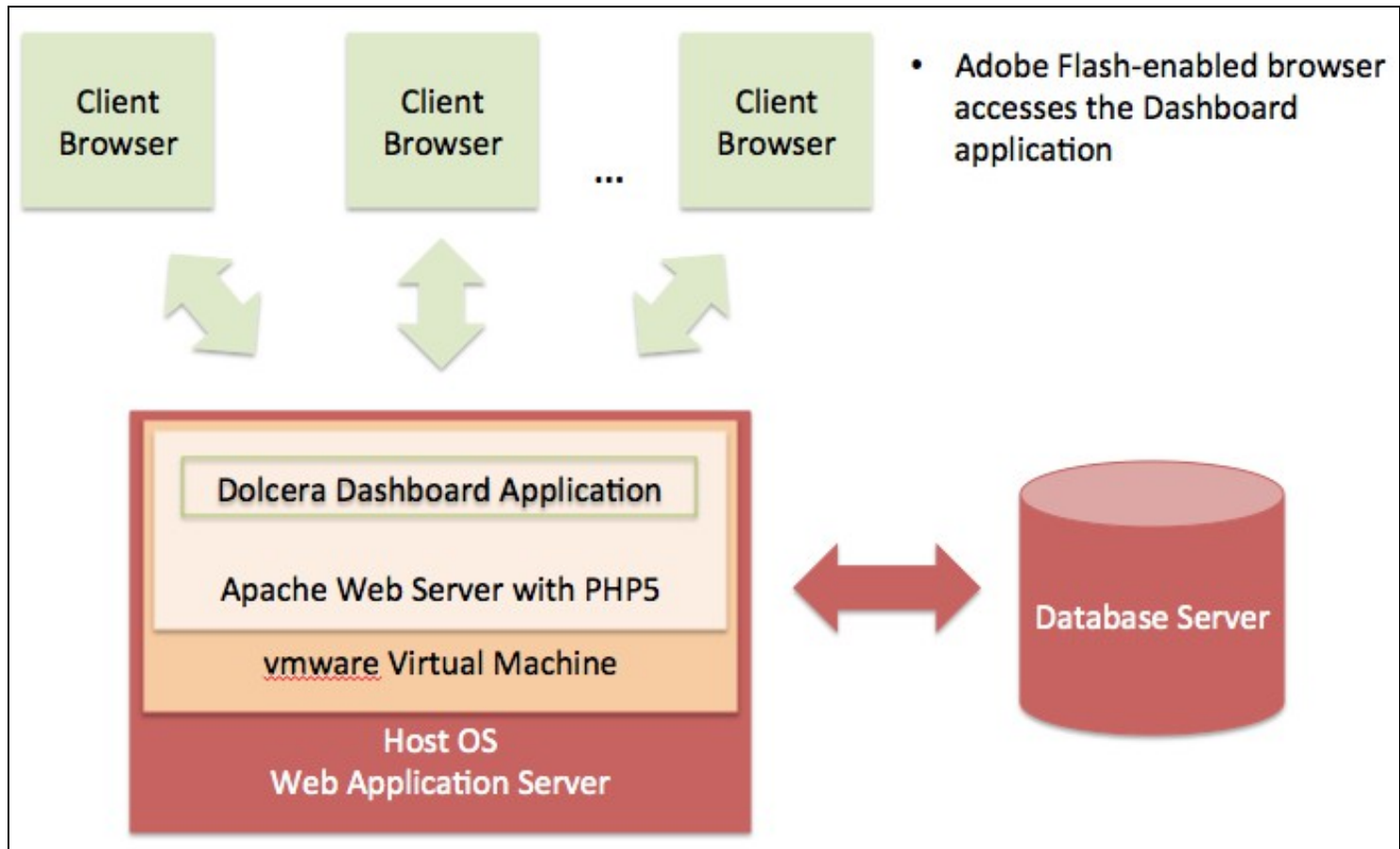## Deployment Architecture

Dolcera Dashboard Deployment Architecture

Software-as-a-Service (SaaS) Environment

The Dolcera Dashboard service is made available as an online service (SaaS) to the users. The users log into the application through their web browser, and can use the application online.

Security Controls

Dolcera has extensive security controls in place to protect client confidential information and to share the results of Dolcera's research and analysis in a secure manner with our clients.

The Dolcera IT team has implemented secure procedures at its facilities in the US and India, and at its data centers in the US.

Authentication and Authorization

- All access to client-specific information is obtained after authentication via a username and password
- Client users who require access to data and systems at Dolcera must be authorized by the Dolcera account management team in consultation with the appropriate client management.
- Only those Dolcera team members who are directly involved with a particular client are authorized to access client-related data.
- Dolcera regularly reviews and updates the authorizations of team members as appropriate, based on their work assignments.
- Infrastructure logs and audit trails contain information about security-related events including logins, IP address, date and time of access.

Physical Security

- US data center facilities are protected by the highest level of physical and biometric access controls.

Redundancy

- Dolcera systems have several levels of redundancy, including multiple servers, multiple storage and backup solutions, multiple network connections and multiple levels of physical and data security.

Data Backups

- Data is backed up on a nightly basis or in real time as appropriate, and is securely synchronized to the Dolcera servers located in the US data center.

Intrusion Detection

- Intrusion detection systems have been installed on Dolcera servers and are monitored by the Dolcera team.

Disaster Recovery

- Dolcera has a disaster recovery plan and the necessary technology and systems (including data backups and alternative designated work sites) to implement the disaster recovery procedures in case of need.