

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
CARDINAL ENERGY HOLDINGS, LLC.		05/07/2010	LIMITED LIABILITY COMPANY: DELAWARE

RECEIVING PARTY DATA

Name:	RED LEAF RESOURCES, INC.
Doing Business As:	DBA ECOSHALE and ECHOSHALE ENERGY, NATIONS MINING, LLC and CAPSULE TECHNOLOGY, LLC
Street Address:	200 W. Civic Center Drive
Internal Address:	Suite 190
City:	Sandy
State/Country:	UTAH
Postal Code:	84070
Entity Type:	CORPORATION: DELAWARE

PROPERTY NUMBERS Total: 5

Property Type	Number	Word Mark
Serial Number:	77175256	ECOSHALE
Serial Number:	77175242	KEROSYN
Registration Number:	3452601	IN-CAPSULE
Serial Number:	77625290	ECOSANDS
Serial Number:	77625275	ECOCOAL

CORRESPONDENCE DATA

Fax Number: (602)382-6070
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 602-382-6389
 Email: dashcraft@swlaw.com, landerson@swlaw.com
 Correspondent Name: Damon Ashcraft, Snell & Wilmer L.L.P.
 Address Line 1: One Arizona Center, 400 E. Van Buren

CH \$140.00 77175256

Address Line 4: Phoenix, ARIZONA 85004-2202

ATTORNEY DOCKET NUMBER: 51976.0013

NAME OF SUBMITTER: Damon Ashcraft

Signature: /Damon Ashcraft/

Date: 05/10/2010

Total Attachments: 7

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RELEASE OF SECURITY INTERESTS

This Release of Security Interests in Patents and Trademarks is made as of May 7, 2010 by CARDINAL ENERGY HOLDINGS, LLC, a Delaware limited liability company with a principal place of business at 1879 East Longview Drive, Salt Lake City, Utah 84124 (the "Secured Party").

WHEREAS RED LEAF RESOURCES, INC., a Delaware corporation, d/b/a ECOSHALE and ECHOSHALE ENERGY, NATIONS MINING, LLC, a Nevada limited liability company, and CAPSULE TECHNOLOGY, LLC a Utah limited liability company, all with a principal place of business at 200 W. Civic Center Dr., Suite 190, Sandy, UT 84070, and any related parties (the "Grantors") own the patent applications (the "Listed Patents"), trademark applications, and registered trademarks ("Listed Trademarks") listed on Exhibit "A" hereto, which Listed Patents and Listed Trademarks are pending and/or registered in the United States Patent and Trademark Office (the "USPTO") and various foreign patent offices; and

WHEREAS, the Grantors have granted to the Secured Party, as Agent, security interests in the Listed Patents and Listed Trademarks, and the applications and/or grants/registrations thereof, as set forth in the following documents:

The Security Agreement, the Patent Security Agreement, and Trademark Security Agreement, all dated as of July 2, 2009, executed by the Grantors and previously filed and recorded in the USPTO at the Reel/Frame indicated on Exhibit A; and

WHEREAS, the Secured Party has agreed to release its security interests in all of the Grantors' patents, patent applications, trademarks, trademark applications, and any registrations issuing on any trademark application, including the Listed Patents and Listed Trademarks and further including all goodwill associated with the foregoing, and the applications therefor and registrations thereof, and any other rights and interest it might have arising out of the Security Agreement, Patent Security Agreement, and Trademark Security Agreement, and/or any other agreements;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of

which are hereby acknowledged, the Secured Party hereby releases its security interests in all of the Grantors' patents, patent applications, trademarks, trademark applications, and any patents or trademark registrations issuing on any pending patent or trademark application, including the Listed Patents, Listed Trademarks and the applications therefor and registrations thereof, and of any other rights it might have arising out of the Security Agreement, Patent Security Agreement, the Trademark Security Agreement and/or any other agreements.

EXECUTED on this 7th day of May, 2010.

CARDINAL ENERGY HOLDINGS, LLC

By [Signature]

Its Authorized Signatory

Agent and Secured Party

STATE OF UTAH)
) ss.
County of Salt Lake)

On this 29 day of April, 2010, before me, a notary public in and for said county, appeared Ed Bailey, the Authorized Signatory of CARDINAL ENERGYHOLDINGS, LLC, a Delaware limited liability company, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

(Seal)

[Signature]
Notary Public

My commission expires:
10/22/2012

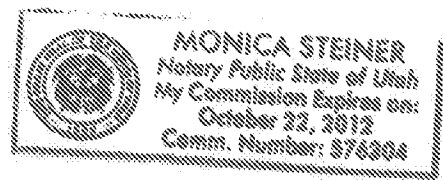


EXHIBIT A

Patents

U.S. Patents – Provisional

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Recordation Date</u>	<u>Reel/Frame</u>
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	60/900,505	February 9, 2007	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	60/906,634	March 12, 2007	July 2, 2009	22909/0653
METHODS FOR RECOVERING HYDROCARBONS FROM WATER CONTAINING HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	60/906,759	March 12, 2007	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	60/930,711	May 17, 2007	July 2, 2009	22909/0653
METHODS OF TRANSPORTING HEAVY HYDROCARBONS	61/027,290	February 8, 2008	July 2, 2009	22909/0653
CONVECTIVE HEAT SYSTEMS FOR RECOVERY OF HYDROCARBONS FROM ENCAPSULATED PERMEABILITY CONTROL INFRASTRUCTURES	61/152,141	February 12, 2009	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS MAINTAINED UNDER POSITIVE PRESSURE	61/152,146	February 12, 2009	July 2, 2009	22909/0653

CORRUGATED HEATING CONDUIT AND METHOD OF USING IN THERMAL EXPANSION AND SUBSIDENCE MITIGATION	61/152,150	February 12, 2009	July 2, 2009	22909/0653
VAPOR COLLECTION AND BARRIER SYSTEMS FOR ENCAPSULATED CONTROL INFRASTRUCTURES	61/152,152	February 12, 2009	July 2, 2009	22909/0653
INTERMEDIATE VAPOR COLLECTION WITHIN ENCAPSULATED CONTROL INFRASTRUCTURES	61/152,157	February 12, 2009	July 2, 2009	22909/0653
ARTICULATED CONDUIT LINKAGE SYSTEM	61/152,180	February 12, 2009	July 2, 2009	22909/0653
METHODS OF RECOVERING MINERALS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	61/152,207	February 12, 2009	July 2, 2009	22909/0653
CARBON MANAGEMENT AND SEQUESTRATION FROM ENCAPSULATED CONTROL INFRASTRUCTURES	61/152,220	February 12, 2009	July 2, 2009	22909/0653
SUBSIDENCE CONTROL SYSTEM	61/263,261	November 20, 2009	January 6, 2010	23739/0024
METHOD FOR THE REMOVAL AND CONDENSATION OF VAPORS	61/286,900	December 16, 2009	January 6, 2010	23739/0024
METHODS AND SYSTEMS FOR REMOVING FINES FROM HYDROCARBON-CONTAINING FLUIDS	61/266,423	December 3, 2009	January 6, 2010	23739/0024

U.S. Patents – Non-Provisional

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Recordation Date</u>	<u>Reel/Frame</u>
METHODS OF TRANSPORTING HEAVY HYDROCARBONS	12/367,405	February 6, 2009	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	12/028,569	February 8, 2008	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE HAVING PERMEABLE WALLS AND ASSOCIATED SYSTEMS	12/028,592	February 8, 2008	July 2, 2009	22909/0653

METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL WITH REDUCED NON-CARBONACEOUS LEACHATE AND CO2 AND ASSOCIATED SYSTEMS	12/028,621	February 8, 2008	July 2, 2009	22909/0653
METHODS OF RECOVERING HYDROCARBONS FROM WATER-CONTAINING HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE	12/028,604	February 8, 2008	July 2, 2009	22909/0653
CORRUGATED HEATING CONDUIT AND METHOD OF USING IN THERMAL EXPANSION AND SUBSIDENCE MITIGATION	12/703,638	February 10, 2010	March 17, 2010	24097/0397
ARTICULATED CONDUIT LINKAGE SYSTEM	12/704,440	February 11, 2010	March 17, 2010	24097/0397
METHODS OF RECOVERING MINERALS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS	12/702,899	February 9, 2010	March 17, 2010	24097/0397
METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS MAINTAINED UNDER POSITIVE PRESSURE	12/703,560	February 10, 2010	March 17, 2010	24097/0397
CONVECTIVE HEAT SYSTEMS FOR RECOVERY OF HYDROCARBONS FROM ENCAPSULATED PERMEABILITY CONTROL INFRASTRUCTURES	12/704,596	February 12, 2010	March 17, 2010	24097/0397
VAPOR COLLECTION AND BARRIER SYSTEMS FOR ENCAPSULATED CONTROL INFRASTRUCTURES	12/701,073	February 5, 2010	March 17, 2010	24097/0397
INTERMEDIATE VAPOR COLLECTION WITHIN ENCAPSULATED CONTROL INFRASTRUCTURES	12/701,141	February 5, 2010	March 17, 2010	24097/0397
CARBON MANAGEMENT AND SEQUESTRATION FROM ENCAPSULATED CONTROL INFRASTRUCTURES	12/701,156	February 5, 2010	March 17, 2010	24097/0397

TRADEMARKS

U.S. Trademarks

<u>Mark</u>	<u>Serial/Registration No.</u>	<u>Reel/Frame</u>
ECOSHALE	77/175,256	4016/0780
KEROSYN	77/175,242	4016/0780
IN-CAPSULE	3,452,601	4016/0780
ECOSANDS	77/625,290	4016/0780
ECOCOAL	77/625,275	4016/0780

Foreign Trademarks

<u>Mark</u>	<u>Serial/Registration No.</u>	<u>Country</u>
ECOSHALE	1209621	Australia
IN-CAPSULE	1209622	Australia