

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Andreas Schirmer	04/19/2010
Mathew Rude	04/19/2010
Shane Brubaker	04/22/2010
RECEIVING PARTY DATA	
Name:	LS9, Inc.
Street Address:	600 Gateway Boulevard
City:	South San Francisco
State/Country:	CALIFORNIA
Postal Code:	94080
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12710238
CORRESPONDENCE DATA	
Fax Number:	(617)526-5000
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	WILMERHALE/BOSTON
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Address Line 4:	Boston, MASSACHUSETTS 02109
ATTORNEY DOCKET NUMBER:	2001235.00144 US4
NAME OF SUBMITTER:	Fay E. Guarino

Total Attachments: 4
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ASSIGNMENT BY INVENTOR

Whereas, we, **Andreas Schirmer**, a citizen of Germany, residing at 600 Gateway Boulevard, So. San Francisco, California 94080, United States of America; **Mathew Rude**, a citizen of the United States of America, residing at 600 Gateway Boulevard, So. San Francisco, California 94080, United States of America; and **Shane Brubaker**, a citizen of the United States of America, residing at 6843 Kenilworth Avenue, El Cerrito, California 94530, United States of America; (herein after referred to as Assignors); are the inventor of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **METHODS AND COMPOSITIONS FOR PRODUCING HYDROCARBONS** which a utility patent application was filed in the United States Patent and Trademark Office on **February 22, 2010** and assigned Serial No. **12/710,238**; and

WHEREAS, LS9, Inc. whose address is 600 Gateway Boulevard, South San Francisco, California 94080 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon;

NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, without reservations, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all corresponding rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made;

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of their successors, legal representatives and assigns, shall advise; that any proceeding in connection with said inventions, or said Utility application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns;

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Name of Inventor: ANDREAS SCHIRMER

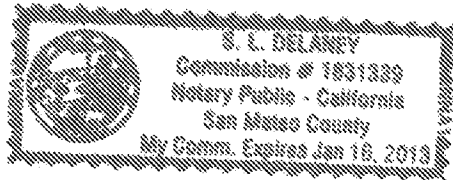
Inventor's signature [Signature] Date: 4-19-2010

State of California)
County of San Mateo)

On April 19, 2010, 2010 before me, S. L. Delaney personally appeared ANDREAS SCHIRMER, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]



Name of Inventor: MATHEW RUDE

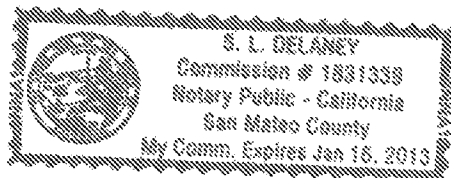
Inventor's signature [Signature] Date: 4/19/10

State of California)
County of San Mateo)

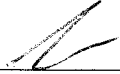
On April 19, 2010 before me, S. L. Delaney personally appeared MATHEW RUDE, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]



Name of Inventor: **SHANE BRUBAKER**

Inventor's signature 

Date: 4-22-10

State of California)

County of Alameda)

On April 22, 2010, 2010, before me, Dzinya Ladzekpo personally appeared **SHANE BRUBAKER**, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

