

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sempra Broadband	06/01/2012
RECEIVING PARTY DATA	
Name:	Enova Corporation
Street Address:	101 Ash Street
Internal Address:	Att: Trina Adams HQ12
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92101
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	6536463
Patent Number:	6681795
Patent Number:	6691728
Patent Number:	6691734
Patent Number:	6736156
Patent Number:	6745791
Patent Number:	6947647
CORRESPONDENCE DATA	
Fax Number:	(619)696-4488
Phone:	6196995031
Email:	TAdams1@Sempra.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Sempra Energy
Address Line 1:	101 Ash Street
Address Line 2:	Att: Trina Adams HQ12

OP \$280.00 6536463

Address Line 4: San Diego, CALIFORNIA 92101

ATTORNEY DOCKET NUMBER:

SE2001000142

NAME OF SUBMITTER:

Trina Adams

Total Attachments: 7

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ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT ("Agreement") is entered into as of June 1, 2012 ("Effective Date"), by and between **Sempra Broadband**, a California corporation (formerly known as "**Sempra Fiber Links**") ("Assignor"), and **Enova Corporation**, a California corporation ("Assignee").

RECITALS:

The parties enter into this Agreement on the basis of the following facts, understandings, and intentions:

A. Assignor is the assignee of record of the patents identified in Schedule A attached hereto (the "**Patents**"); and.

B. Assignor is a wholly-owned subsidiary of Assignee.

C. Assignor and Assignee have agreed that Assignor shall assign the Patents to Assignee, as set forth below.

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants and conditions contained in them, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignment. Assignor hereby assigns, transfers and sets over to Assignee, its successors and assigns, and Assignee hereby accepts the assignment, transfer and setting over of, (a) all of Assignor's right, title and interest in and to the Patents, the inventions and improvements described in the Patents and all Letters Patents and Patent Certificate(s) granted therefor, all divisions, reissues, reexaminations, extensions, renewals, substitutes, and continuations thereof, and all inventions therein in accordance with terms of this Assignment.

2. Right to Assign. Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

3. Assignor Covenants. Assignor hereby further covenants and agrees that it will communicate to Assignee any and all facts known to it respecting the Patents, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said invention in all countries.

4. Acceptance. Effective as of the Effective Date, Assignee accepts the foregoing assignment of the Patents and assumes all obligations related thereto.

5. Successors and Assigns. This Agreement shall be binding on and inure to the benefit of the parties and their successors and assigns.

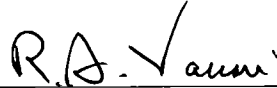
6. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

7. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be an original, and all of which taken together shall constitute one and the same instrument.

[Signatures appear on following page.]

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment and Assumption Agreement as of the Effective Date.

Sempra Broadband
a California corporation

A handwritten signature in dark ink, appearing to read "R.A. Vaccari", is written over a horizontal line.

Richard A. Vaccari
Vice President, Chief Financial Officer
and Treasurer

Enova Corporation
a California corporation


Robert Schlax
Vice President, Chief Financial Officer,
Treasurer, Controller and Chief Accounting
Officer

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment and Assumption Agreement as of the Effective Date.

Semptra Broadband
a California corporation

Richard A. Vaccari
Vice President, Chief Financial Officer
and Treasurer

Enova Corporation
a California corporation



Robert Schlax
Vice President, Chief Financial Officer,
Treasurer, Controller and Chief Accounting
Officer

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of San Diego

On June 4, 2012 before me, Mary L. Elliott, Notary Public

personally appeared Richard A. Vaccari,
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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Mary L. Elliott
Signature of Notary Public

Place Notary Seal Above

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of San Diego

On JUNE 4, 2012 before me, ANNIE VICTORIA RUIZ

personally appeared ROBERT SCHLAX,
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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

Annie Victoria Ruiz
Signature of Notary Public

Place Notary Seal Above

Schedule A
To Assignment and Assumption Agreement by and between Sempra Broadband and Enova Corporation

Sempra Broadband Patents

Country	Appl. Number	Patent Number	Appl. Date	Issue Date	Exp. Date	Inventor(s)	Last Assignee	Title
US	09685236	6536463	10/10/00	3/25/03	3/25/23	Beals et al	Sempra Broadband	Method and System for Installing Cable in Pressurized Pipelines
US	09973961	6681795	10/9/01	1/27/04	1/27/24	Beals et al	Sempra Broadband	Methods and Systems for Installing Cable and Conduit in Pipelines
US	10159298	6691728	5/29/02	2/17/04	2/17/24	Beals et al	Sempra Broadband	Methods and Systems for Installing a Pipeline Within a Pipeline
US	10158414	6691734	5/29/02	2/17/04	2/17/24	Beals et al	Sempra Broadband	Methods and Systems for Installing Cable and Conduit in Pipelines
US	09876802	6736156	6/7/01	5/18/04	5/18/24	Beals et al	Sempra Broadband	Method and System for Installing Cable in Pressurized Pipelines
US	10133239	6745791	4/26/02	6/8/04	6/8/24	Beals et al	Sempra Broadband	Service Tools for Pipelines Containing Conduit or Cable
US	10859667	6947647	6/3/04	9/20/05	9/20/25	Beals et al	Sempra Broadband	Methods for Installing Fiber Optic Cable in a Building Having a Gas Riser
China	01817142.7	ZL01817142.7	10/9/01	1/25/06	10/9/21	Beals et al	Sempra Broadband	Method and System for Installing Cable and Conduit in Pipelines
Australia	2002237647	2002237647	10/9/01	11/16/06	10/9/21	Hammer et al	Sempra Broadband	Methods and Systems for Installing Cable and Conduit in Pipelines

Initials of Assignor's Officer: RA