

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2724900

|                                                                                        |                              |
|----------------------------------------------------------------------------------------|------------------------------|
| SUBMISSION TYPE:                                                                       | NEW ASSIGNMENT               |
| NATURE OF CONVEYANCE:                                                                  | ASSIGNMENT                   |
| CONVEYING PARTY DATA                                                                   |                              |
| Name                                                                                   | Execution Date               |
| WALKER DIGITAL, LLC                                                                    | 11/01/2013                   |
| RECEIVING PARTY DATA                                                                   |                              |
| Name:                                                                                  | INVENTOR HOLDINGS, LLC       |
| Street Address:                                                                        | TWO HIGH RIDGE PARK          |
| City:                                                                                  | STAMFORD                     |
| State/Country:                                                                         | CONNECTICUT                  |
| Postal Code:                                                                           | 06905                        |
| PROPERTY NUMBERS Total: 1                                                              |                              |
| Property Type                                                                          | Number                       |
| Application Number:                                                                    | 13400871                     |
| CORRESPONDENCE DATA                                                                    |                              |
| Fax Number:                                                                            | (203)461-7300                |
| Phone:                                                                                 | 203-461-7000                 |
| Email:                                                                                 | gvenuto@patentproperties.com |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> |                              |
| Correspondent Name:                                                                    | PATENT PROPERTIES, INC.      |
| Address Line 1:                                                                        | TWO HIGH RIDGE ROAD          |
| Address Line 4:                                                                        | STAMFORD, CONNECTICUT 06905  |
| ATTORNEY DOCKET NUMBER:                                                                | 07-014-C1                    |
| NAME OF SUBMITTER:                                                                     | GREGORY VENUTO               |
| Signature:                                                                             | /Gregory Venuto/             |
| Date:                                                                                  | 02/12/2014                   |
| Total Attachments: 14                                                                  |                              |

source=07-014-C1\_ASN\_02-12-14#page1.tif  
source=07-014-C1\_ASN\_02-12-14#page2.tif  
source=07-014-C1\_ASN\_02-12-14#page3.tif  
source=07-014-C1\_ASN\_02-12-14#page4.tif  
source=07-014-C1\_ASN\_02-12-14#page5.tif  
source=07-014-C1\_ASN\_02-12-14#page6.tif  
source=07-014-C1\_ASN\_02-12-14#page7.tif  
source=07-014-C1\_ASN\_02-12-14#page8.tif  
source=07-014-C1\_ASN\_02-12-14#page9.tif  
source=07-014-C1\_ASN\_02-12-14#page10.tif  
source=07-014-C1\_ASN\_02-12-14#page11.tif  
source=07-014-C1\_ASN\_02-12-14#page12.tif  
source=07-014-C1\_ASN\_02-12-14#page13.tif  
source=07-014-C1\_ASN\_02-12-14#page14.tif

## PATENT ASSIGNMENT

This Assignment of Patent Rights agreement is effective as of September 18, 2013 and is entered into by and between Walker Digital, LLC, a Delaware limited liability company, having offices at Two High Ridge Park Rd., Stamford, CT 06905, ("Company Parent" or "Assignor") and Inventor Holdings, LLC, F/K/A Walker Digital Holdings, LLC, a Delaware limited liability company, having offices at Two High Ridge Park Rd., Stamford, CT 06905, ("Company" or "Assignee").

**WHEAREAS** Assignor and Assignee have, on September 18, 2013, entered into a Bill of Sale, Assignment and Assumption Agreement (the "Bill of Sale Agreement"); and

**WHEAREAS** Assignor and Assignee desire to independently memorialize herein the assignment of certain patent assets under the terms of the Bill of Sale Agreement (specifically, the assets reproduced in Schedule 1 hereto, collectively the "Patent Assets") and to clarify certain rights in the Patent Assets which were transferred from Assignor to Assignee under the terms of the Bill of Sale Agreement;

**NOW, THEREFORE**, for good and valuable consideration set forth in the Bill of Sale Agreement, the receipt of which is hereby acknowledged, Assignor, subject to the terms of the Bill of Sale Agreement, does hereby agree that all right, title, and interest that existed as of September 18, 2013 and may exist in the future were, as of September 18, 2013, sold, assigned, transferred, and conveyed unto Assignee, or its designees, any and all rights, including, without limitation, the following (collectively "the Patent Rights"):

- (a) the provisional patent applications, patent applications, and patents listed in attached Schedule 1 (the Patents Assets);
- (b) all patents and patent applications (i) to which any of the Patent Assets directly or indirectly claims priority and (ii) for which any of the Patent Assets directly or indirectly forms a basis for priority and are filed after September 18, 2013;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part filed after September 18, 2013, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection;
- (e) all items in any of the foregoing in categories (a) through (d), whether or not expressly listed in Schedule 1, and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (e), including, without limitation, under the Paris Convention for the

Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(g) all rights of action for any and all infringement (whether known or unknown, past, present or future, currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patent Assets and/or any item in any of the foregoing categories (a) through (f), including, without limitation, all causes of action and other enforcement rights for:

- (i) damages, past, present, or future;
- (ii) injunctive relief;
- (iii) any other remedies of any kind for past, current, and future infringement; and
- (iv) all rights to collect royalties and other payments under or on account of any of the Patent Assets and/or any item in any of the foregoing categories (a) through (f).

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 Bill of Sale Agreement, Assignor was the sole and lawful owner of the entire right, title, and interest in and to the Patent Assets, and that the same were unencumbered, except as expressly set forth in the Bill of Sale Agreement and that Assignor had good and full right and lawful authority to sell and convey the same in the manner according to the terms of the Bill of Sale Agreement.

AND for the same consideration, set forth in the Bill of Sale Agreement, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives, and assigns, that Assignor 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 Patents Rights, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said Patent Assets, or any proceeding in connection with any Patent Assets in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation, or continuation-in-part filed after September 18, 2013 of any of the Patent Assets, or any reissue, reexamination, or extension of any of the Patent Assets, to be obtained thereon, is lawful and desirable.

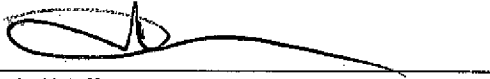
AND Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

AND the terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights agreement, effective September 18, 2013, is executed and acknowledged all as of the dates written below.

**ASSIGNOR:**

**Walker Digital, LLC**

  
Jay S. Walker  
Authorized Person

November 1/13  
Date

**ASSIGNEE:**

**Inventor Holdings, LLC, F/K/A Walker Digital Holdings, LLC**

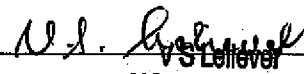
  
Jay S. Walker  
Authorized Person

November 1/13  
Date

STATE OF Connecticut )  
 ) ss. Stamford  
COUNTY OF Fairfield )

On November 1/13, before me, Veronica F. Halves, Notary Public in and for said State, personally appeared Jay S. Walker, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 

(Seal)

NOTARY PUBLIC  
Connecticut

My Commission Expires August 31, 2017  
Page 3 of 14

**SCHEDULE 1**

| <b>Docket Number</b> | <b>Application Number</b> | <b>File Date</b> | <b>Patent Number<br/>(if applicable)</b> | <b>Issue Date<br/>(if applicable)</b> |
|----------------------|---------------------------|------------------|------------------------------------------|---------------------------------------|
| 00-004               | 09/603677                 | 06/26/00         | 7542919                                  | 06/02/09                              |
| 00-004-C1            | 12/365629                 | 02/04/09         | 8103520                                  | 01/24/12                              |
| 00-004-C2            | 13/356890                 | 01/24/12         | 8533003                                  | 09/10/13                              |
| 00-004-C3            | 13/975408                 | 08/26/13         |                                          |                                       |
| 00-004-C4            | 14/012982                 | 08/27/13         |                                          |                                       |
| 00-007               | 09/609253                 | 06/30/00         | 8055509                                  | 11/08/11                              |
| 00-007-C1            | 11/423881                 | 06/13/06         | 8069056                                  | 11/29/11                              |
| 00-007-C2            | 11/423891                 | 06/13/06         | 7801745                                  | 09/21/10                              |
| 00-007-C3            | 11/423901                 | 06/13/06         |                                          |                                       |
| 00-008               | 09/538773                 | 03/30/00         |                                          |                                       |
| 00-009               | 09/504180                 | 02/15/00         | 6839683                                  | 01/04/05                              |
| 00-012               | 09/592618                 | 06/13/00         | 7376580                                  | 05/20/08                              |
| 00-012-C1            | 12/108826                 | 04/24/08         |                                          |                                       |
| 00-015               | 09/526834                 | 03/16/00         | 6719631                                  | 04/13/04                              |
| 00-017-1             | 11/931864                 | 10/31/07         |                                          |                                       |
| 00-017-C1            | 11/319848                 | 12/28/05         | 8036943                                  | 10/11/11                              |
| 00-019               | 09/608245                 | 06/30/00         | 6688976                                  | 02/10/04                              |
| 00-019-C1            | 10/730244                 | 12/08/03         | 7704139                                  | 04/27/10                              |
| 00-019-C10           | 12752327                  | 04/01/10         |                                          |                                       |
| 00-019-C3            | 11/424162                 | 06/14/06         | 7722455                                  | 05/25/10                              |
| 00-019-C4            | 11/424166                 | 06/14/06         | 7682240                                  | 03/23/10                              |
| 00-019-C8            | 11/531749                 | 09/14/06         | 7690980                                  | 04/06/10                              |
| 00-023-C2            | 13/180349                 | 07/11/11         |                                          |                                       |
| 00-029               | 09/606364                 | 06/29/00         | 8473341                                  | 06/25/13                              |
| 00-029-C1            | 13/909055                 | 06/03/13         |                                          |                                       |
| 00-033               | 09/679186                 | 10/03/00         | 7753772                                  | 07/13/10                              |
| 00-035               | 09/606566                 | 06/29/00         | 6443843                                  | 09/03/02                              |
| 00-039               | 09/685079                 | 10/06/00         | 7415425                                  | 08/19/08                              |
| 00-039-1             | 11/927912                 | 10/30/07         | 7774240                                  | 08/10/10                              |
| 00-039-C1            | 12/190244                 | 08/12/08         | 7908168                                  | 03/15/11                              |
| 00-039-C2            | 13/048829                 | 03/15/11         | 8131588                                  | 03/06/12                              |
| 00-039-C3            | 13/412203                 | 03/05/12         |                                          |                                       |
| 00-044               | 09/659752                 | 09/11/00         | 6634550                                  | 10/21/03                              |
| 00-047               | 09/678117                 | 10/02/00         | 7739124                                  | 06/15/10                              |
| 00-055               | 09/609017                 | 06/30/00         | 7366675                                  | 04/29/08                              |
| 00-065               | 09/930717                 | 08/15/01         | 6964611                                  | 11/15/05                              |

|             |           |          |         |          |
|-------------|-----------|----------|---------|----------|
| 00-065-C1   | 11/199405 | 08/08/05 | 7837549 | 11/23/10 |
| 00-065-C3   | 11/424435 | 06/15/06 | 8388430 | 03/05/13 |
| 00-066      | 09/938977 | 08/24/01 | 6773345 | 08/10/04 |
| 00-069-C1   | 10/994913 | 11/22/04 | 7218991 | 05/15/07 |
| 00-069-C1-1 | 11/745876 | 05/08/07 | 7726562 | 06/01/10 |
| 00-069-C2   | 11/745796 | 05/08/07 | 7577496 | 08/18/09 |
| 00-112      | 10/100564 | 03/15/02 | 6805290 | 10/19/04 |
| 00-113-C3   | 13/180248 | 07/11/11 |         |          |
| 00-116      | 10/123634 | 04/15/02 |         |          |
| 01-006      | 10/121263 | 04/11/02 | 7040987 | 05/09/06 |
| 01-006-C1   | 11/406130 | 04/18/06 |         |          |
| 01-015      | 09/858458 | 05/16/01 | 7184990 | 02/27/07 |
| 01-015-C1   | 11/621422 | 01/09/07 | 7756746 | 07/13/10 |
| 01-023-1    | 11/927932 | 10/30/07 |         |          |
| 01-029      | 09/907112 | 07/17/01 | 6959387 | 10/25/05 |
| 01-029-R1   | 11/293790 | 12/02/05 | RE41960 | 11/23/10 |
| 01-029-R2   | 11/541520 | 09/29/06 | RE42893 | 11/01/11 |
| 01-029-R3   | 11/541522 | 12/02/05 | RE42018 | 12/28/10 |
| 01-033      | 09/973581 | 10/09/01 | 7231035 | 06/12/07 |
| 01-033-C1   | 11/760970 | 06/11/07 | 7760867 | 07/20/10 |
| 01-035      | 10/146302 | 10/26/01 | 6739505 | 05/25/04 |
| 01-038      | 09/994569 | 11/27/01 | 6597770 | 07/22/03 |
| 01-039      | 09/962065 | 09/25/01 | 7033276 | 04/25/06 |
| 01-039-C3   | 11/423913 | 06/13/06 |         |          |
| 01-047      | 10/023149 | 12/18/01 | 6884167 | 04/26/05 |
| 02-006      | 10/095538 | 03/11/02 | 7484172 | 01/27/09 |
| 02-007      | 10/095372 | 03/11/02 | 7233912 | 06/19/07 |
| 02-007-C2   | 11/761826 | 06/12/07 |         |          |
| 02-028      | 10/159945 | 05/30/02 | 7192352 | 03/20/07 |
| 02-028-C4   | 11/624752 | 01/19/07 | 7390255 | 06/24/08 |
| 02-028-C5   | 11/624764 | 01/19/07 | 7985132 | 07/26/11 |
| 02-028-C7   | 11/624798 | 01/19/07 | 7438642 | 10/21/08 |
| 02-028-C8   | 13/172408 | 06/29/11 |         |          |
| 02-034-C2   | 13/610837 | 09/11/12 |         |          |
| 02-052      | 09/818882 | 03/27/01 | 7104885 | 09/12/06 |
| 02-052-C1   | 11/468003 | 08/29/06 | 7819733 | 10/26/10 |
| 02-073-C1   | 11/934856 | 11/05/07 | 7524245 | 04/28/09 |
| 02-073-C2   | 12/430686 | 04/27/09 |         |          |
| 02-074      | 10/218157 | 08/12/02 | 7430521 | 09/30/08 |
| 02-074-C1   | 12/237716 | 09/25/08 | 8126771 | 02/28/12 |
| 02-074-C2   | 13/366797 | 02/06/12 | 8432400 | 04/16/13 |
| 02-074-C3   | 13/857520 | 04/05/13 |         |          |
| 02-085-C1   | 12/472149 | 05/26/09 |         |          |

|             |           |          |         |          |
|-------------|-----------|----------|---------|----------|
| 02-085-C2   | 13/956348 | 07/31/13 |         |          |
| 02-088      | 10/234075 | 08/30/02 | 7390264 | 06/24/08 |
| 02-088-C1   | 12/123674 | 05/20/08 |         |          |
| 02-089      | 10/242490 | 09/12/02 | 7483670 | 01/27/09 |
| 02-089-C1   | 12/359838 | 01/26/09 | 8086167 | 12/27/11 |
| 02-089-C2   | 13/327840 | 12/16/11 |         |          |
| 02-092      | 11/719108 | 05/11/07 | 7924323 | 04/12/11 |
| 02-092-C1   | 13/024428 | 02/10/11 |         |          |
| 02-092-C2   | 13/489893 | 06/06/12 | 8466987 | 06/18/13 |
| 02-099-C1   | 11/284309 | 11/21/05 | 7362862 | 04/22/08 |
| 02-100A     | 10/786831 | 02/25/04 | 7292723 | 11/06/07 |
| 02-100A-C1  | 11/427466 | 06/29/06 | 7596260 | 09/29/09 |
| 02-100A-C2  | 11/427480 | 06/29/06 | 7729532 | 06/01/10 |
| 02-100A-C4  | 13/180277 | 07/11/11 | 8401233 | 03/19/13 |
| 03-006-C2   | 11/456306 | 07/10/06 | 7841514 | 11/30/10 |
| 03-008-C3   | 12/030522 | 02/13/08 | 8016658 | 09/13/11 |
| 03-025-C1   | 12/511536 | 07/29/09 |         |          |
| 03-034      | 10/825535 | 04/15/04 | 7690989 | 04/06/10 |
| 03-034-C1   | 12/722892 | 03/12/10 |         |          |
| 03-039-C2   | 11/426332 | 06/26/06 | 7347364 | 03/25/08 |
| 03-039-C4   | 13/042021 | 03/07/11 |         |          |
| 03-039-C4-1 | 13/965444 | 08/13/13 |         |          |
| 03-043      | 10/457101 | 06/05/03 | 7351142 | 04/01/08 |
| 03-044      | 10/603110 | 06/24/03 | 7433451 | 10/07/08 |
| 03-044-C1   | 12/245995 | 10/06/08 | 8208612 | 06/26/12 |
| 03-044-C2   | 13/531677 | 06/25/12 |         |          |
| 03-050      | 10/968282 | 10/18/04 | 7389919 | 06/24/08 |
| 03-050-C1   | 11/948114 | 11/30/07 |         |          |
| 03-055      | 10/966407 | 10/15/04 | 7894936 | 02/22/11 |
| 03-057      | 10/689790 | 10/21/03 | 7168617 | 01/30/07 |
| 03-057-C1   | 11/668498 | 01/30/07 | 7533810 | 05/19/09 |
| 03-057-C2   | 12/468582 | 05/19/09 | 7845555 | 12/07/10 |
| 03-057-C3   | 12/962081 | 12/07/10 | 8109438 | 02/07/12 |
| 03-059      | 10/951296 | 09/27/04 | 8041453 | 10/18/11 |
| 03-059-C1   | 13/233546 | 09/15/11 |         |          |
| 03-060      | 11/057904 | 02/14/05 |         |          |
| 03-061      | 10/581588 | 01/04/08 | 7739181 | 06/15/10 |
| 03-061-C1   | 12/775705 | 05/07/10 | 8234207 | 07/31/12 |
| 03-061-C2   | 13/561863 | 07/30/12 |         |          |
| 03-065      | 11/063714 | 02/22/05 | 7353080 | 04/01/08 |
| 03-065-C1   | 12/031323 | 02/14/08 | 7912580 | 03/22/11 |
| 04-005      | 10/843239 | 05/11/04 | 7426268 | 09/16/08 |
| 04-005-C1   | 12/210424 | 09/15/08 | 8325907 | 12/04/12 |



|              |           |          |         |          |
|--------------|-----------|----------|---------|----------|
| 04-009       | 11/538293 | 10/03/06 |         |          |
| 04-010-C1    | 11/427369 | 06/29/06 |         |          |
| 04-010-C3    | 11/427391 | 06/29/06 |         |          |
| 04-012A-C1   | 11/426204 | 06/23/06 | 7499769 | 03/03/09 |
| 04-012A-C1-1 | 12/368369 | 02/10/09 | 8068933 | 11/29/11 |
| 04-012A-C2-1 | 11/877109 | 10/23/07 | 7912581 | 03/22/11 |
| 04-012A-C3-1 | 11/877182 | 10/23/07 | 7865265 | 01/04/11 |
| 04-012B-C3   | 11/426186 | 06/23/06 |         |          |
| 04-013       | 10/849622 | 05/19/04 | 7090123 | 08/15/06 |
| 04-013-C1    | 11/459063 | 07/21/06 | 7806320 | 10/05/10 |
| 04-013-C2    | 12/898273 | 10/05/10 | 7988044 | 08/02/11 |
| 04-013-C3    | 13/196350 | 08/02/11 |         |          |
| 04-019       | 10/855653 | 05/27/04 | 7664705 | 02/16/10 |
| 04-019-C1    | 12/705856 | 02/15/10 | 8175963 | 05/08/12 |
| 04-020       | 11/571062 | 11/21/07 | 8131595 | 03/06/12 |
| 04-021-C1    | 11/424402 | 06/15/06 | 7811166 | 10/12/10 |
| 04-021-C2    | 11/424408 | 06/15/06 | 7789745 | 09/07/10 |
| 04-021-C3    | 11/424418 | 06/15/06 | 7674171 | 03/09/10 |
| 04-039       | 11/719441 | 05/16/07 | 7783381 | 08/24/10 |
| 04-040       | 10/914690 | 08/09/04 | 7582012 | 09/01/09 |
| 04-040-C1    | 11/424598 | 06/16/06 | 7727063 | 06/01/10 |
| 04-040-C4    | 12/791813 | 06/01/10 | 8348743 | 01/08/13 |
| 04-047       | 11/078938 | 03/11/05 | 7216754 | 05/15/07 |
| 04-047-C1    | 11/456392 | 07/10/06 | 7643902 | 01/05/10 |
| 04-047-C2    | 11/456398 | 07/10/06 | 7641036 | 01/05/10 |
| 04-051       | 10/968340 | 10/18/04 | 7293703 | 11/13/07 |
| 04-051-C1    | 11/937832 | 11/09/07 | 7637428 | 12/29/09 |
| 04-051-C2    | 12/644196 | 12/22/09 | 8052053 | 11/08/11 |
| 04-051-C3    | 13/251401 | 10/03/11 | 8434681 | 05/07/13 |
| 04-062       | 11/311505 | 12/19/05 | 7922579 | 04/12/11 |
| 05-009       | 11/376488 | 03/15/06 |         |          |
| 05-009-C1    | 13/365962 | 02/03/12 |         |          |
| 05-012       | 11/398378 | 04/05/06 | 7627496 | 12/01/09 |
| 05-012-C1    | 12/589788 | 10/28/09 |         |          |
| 05-017       | 11/418603 | 05/05/06 |         |          |
| 05-023       | 11/570616 | 12/14/06 | 8335723 | 12/18/12 |
| 05-023-C1    | 13/717094 | 12/17/12 |         |          |
| 05-027-C1    | 12/694886 | 01/27/10 |         |          |
| 05-032       | 11/530279 | 09/08/06 | 7826923 | 11/02/10 |
| 05-038       | 11/317522 | 12/22/05 |         |          |
| 05-062       | 11/814763 | 07/25/07 | 7909326 | 03/22/11 |
| 05-067-C1    | 13/494509 | 06/12/12 |         |          |
| 06-038-C2    | 13/021449 | 02/04/11 |         |          |

|            |           |          |         |          |
|------------|-----------|----------|---------|----------|
| 07-013     | 12/600422 | 11/16/09 | 8500537 | 08/06/13 |
| 07-013-C1  | 13/950579 | 07/25/13 |         |          |
| 07-014     | 12/136667 | 06/10/08 | 8147322 | 04/03/12 |
| 07-014-C1  | 13/400871 | 02/21/12 |         |          |
| 07-016     | 12/234144 | 09/19/08 |         |          |
| 07-021     | 12/270455 | 11/13/08 | 8136133 | 03/13/12 |
| 08-001     | 12/808199 | 06/15/10 |         |          |
| 08-003     | 12/098074 | 04/04/08 |         |          |
| 08-010-C1  | 13/735010 | 01/06/13 |         |          |
| 08-014     | 12/425899 | 04/17/09 | 8272936 | 09/25/12 |
| 08-016     | 12/425378 | 04/16/09 | 8202152 | 06/19/12 |
| 08-016-C1  | 13/527230 | 06/19/12 | 8491372 | 07/23/13 |
| 08-016-C2  | 13/948383 | 07/23/13 |         |          |
| 08-031     | 12/605150 | 10/23/09 | 8226465 | 07/24/12 |
| 09-004     | 12/823118 | 06/24/10 |         |          |
| 09-006     | 12/889382 | 09/23/10 |         |          |
| 10-002A    | 13/093839 | 04/25/11 |         |          |
| 10-002B    | 13/093819 | 04/25/11 | 8515255 | 08/20/13 |
| 10-002B-C1 | 13/962591 | 08/08/13 |         |          |
| 11-001     | 13/421811 | 03/15/12 |         |          |
| 13-001     | 61/856761 | 07/21/13 |         |          |
| 94-001-C4  | 10/273808 | 10/17/02 | 6935952 | 08/30/05 |
| 94-001-C10 | 12/107143 | 04/22/08 |         |          |
| 94-001XXX  | 08/766576 | 12/12/96 | 6527638 | 03/04/03 |
| 95-002     | 08/561668 | 11/22/95 | 5768382 | 06/16/98 |
| 95-002X    | 08/677544 | 08/08/96 | 5970143 | 10/19/99 |
| 95-003     | 08/570443 | 12/11/95 | 5825863 | 10/20/98 |
| 95-005     | 08/622034 | 03/21/96 | 5923763 | 07/13/99 |
| 95-005X    | 09/149024 | 09/08/98 | 6263438 | 07/17/01 |
| 95-006     | 08/628920 | 04/08/96 | 5828751 | 10/27/98 |
| 95-006-C1  | 12/491114 | 06/24/09 |         |          |
| 95-006-C2  | 13/748945 | 01/24/13 |         |          |
| 95-006X    | 09/149025 | 09/08/98 | 6289453 | 09/11/01 |
| 95-006XX   | 09/706646 | 11/06/00 | 6282648 | 08/28/01 |
| 95-007X    | 08/624998 | 03/29/96 | 5871398 | 02/16/99 |
| 95-007X-C1 | 09/063590 | 04/21/98 | 6402614 | 06/11/02 |
| 95-007X-C2 | 10/145964 | 05/14/02 | 6607439 | 08/19/03 |
| 95-007X-C3 | 10/620260 | 07/15/03 | 6942570 | 09/13/05 |
| 95-007X-C4 | 11/057665 | 02/14/05 | 7008318 | 03/07/06 |
| 95-007X-C5 | 11/304103 | 12/15/05 | 7285045 | 10/23/07 |
| 95-007X-C6 | 11/426959 | 06/28/06 | 7303468 | 12/04/07 |
| 95-007X-C7 | 11/426963 | 06/28/06 | 7887405 | 02/15/11 |
| 95-007XX   | 08/858123 | 05/19/97 | 6024640 | 02/15/00 |

|             |           |          |         |          |
|-------------|-----------|----------|---------|----------|
| 96-001      | 08/635576 | 04/22/96 | 5779549 | 07/14/98 |
| 96-001-C1   | 09/028781 | 02/24/98 | 6224486 | 05/01/01 |
| 96-001-C2   | 09/768567 | 01/24/01 | 6425828 | 07/30/02 |
| 96-004      | 08/647301 | 05/09/96 | 5947747 | 09/07/99 |
| 96-012      | 08/775588 | 12/31/96 | 6099408 | 08/08/00 |
| 96-012-C1   | 09/488608 | 01/20/00 | 6264557 | 07/24/01 |
| 96-012-C2   | 09/895648 | 06/29/01 | 6450885 | 09/17/02 |
| 96-013      | 08/832832 | 04/03/97 | 6477513 | 11/05/02 |
| 96-013-C1   | 10/253192 | 09/24/02 | 6904418 | 06/07/05 |
| 96-013-C2   | 11/103906 | 04/12/05 | 7991698 | 08/02/11 |
| 96-013-C3   | 13/196546 | 08/02/11 | 8355991 | 01/15/13 |
| 96-013-C4   | 13/742328 | 01/15/13 |         |          |
| 96-014      | 08/708968 | 09/06/96 | 5884272 | 03/16/99 |
| 96-018      | 08/729426 | 10/11/96 | 5995976 | 11/30/99 |
| 96-018-C1   | 09/422719 | 10/22/99 | 6449616 | 09/10/02 |
| 96-024      | 08/749241 | 11/15/96 | 5884274 | 03/16/99 |
| 96-024-C1   | 09/262810 | 03/05/99 | 6128598 | 10/03/00 |
| 96-028      | 08/859722 | 05/21/97 | 6111953 | 08/29/00 |
| 96-059      | 08/919339 | 08/28/97 | 6163771 | 12/19/00 |
| 96-059-1    | 09/542676 | 04/03/00 | 7177835 | 02/13/07 |
| 96-059-1-C1 | 11/338152 | 01/24/06 | 7844550 | 11/30/10 |
| 96-059-C1   | 09/694191 | 10/23/00 | 7853529 | 12/14/10 |
| 96-059-C2   | 11/422986 | 06/08/06 | 8315948 | 11/20/12 |
| 96-059-C8   | 13/648263 | 10/09/12 |         |          |
| 96-060      | 08/811703 | 03/05/97 | 6338049 | 01/08/02 |
| 96-060-C1   | 10/006575 | 11/08/01 | 7496537 | 02/24/09 |
| 96-067      | 08/821436 | 03/21/97 | 6209028 | 03/27/01 |
| 96-067-C1   | 09/660579 | 09/12/00 | 7454776 | 11/18/08 |
| 96-067-C2   | 12/272190 | 11/17/08 | 8402500 | 03/19/13 |
| 96-067-C3   | 13/760225 | 02/06/13 |         |          |
| 96-082      | 08/831968 | 04/02/97 | 6131086 | 10/10/00 |
| 96-094      | 08/777802 | 12/31/96 | 6246755 | 06/12/01 |
| 96-095      | 09/224483 | 12/31/98 | 6597776 | 07/22/03 |
| 96-108      | 08/815224 | 03/12/97 | 5970478 | 10/19/99 |
| 96-108-C1   | 09/365644 | 08/02/99 | 6374230 | 04/16/02 |
| 96-108-C2   | 09/654933 | 09/01/00 | 8001043 | 08/16/11 |
| 96-119      | 08/704314 | 09/06/96 | 5884270 | 03/16/99 |
| 96-126      | 08/885157 | 06/30/97 | 6193606 | 02/27/01 |
| 96-126-C1   | 09/713046 | 11/15/00 | 6331144 | 12/18/01 |
| 96-131      | 08/886006 | 07/03/97 | 6263505 | 07/17/01 |
| 96-133      | 08/885570 | 06/30/97 | 6112185 | 08/29/00 |
| 96-136      | 08/775388 | 12/30/96 | 6110041 | 08/29/00 |
| 96-136-C1   | 09/481204 | 01/11/00 | 6293866 | 09/25/01 |

|             |           |          |         |          |
|-------------|-----------|----------|---------|----------|
| 96-146      | 08/826930 | 04/08/97 | 6014439 | 01/11/00 |
| 96-146-C2   | 09/657338 | 09/07/00 | 6301354 | 10/09/01 |
| 96-147      | 08/796132 | 02/06/97 | 5946388 | 08/31/99 |
| 96-149      | 08/932984 | 09/18/97 | 6208978 | 03/27/01 |
| 96-174      | 08/886256 | 07/01/97 | 6119093 | 09/12/00 |
| 96-174-C1   | 09/469130 | 12/21/99 | 6937990 | 08/30/05 |
| 96-176      | 08/832724 | 04/11/97 | 5978467 | 11/02/99 |
| 96-176-C1   | 09/401471 | 09/22/99 | 6125178 | 09/26/00 |
| 96-176-C2   | 09/616016 | 07/13/00 | 6314178 | 11/06/01 |
| 96-176-C3   | 10/160552 | 10/25/01 | 6735300 | 05/11/04 |
| 96-200      | 08/880404 | 06/23/97 | 6144948 | 11/07/00 |
| 96-200-C1-1 | 11/927946 | 10/30/07 |         |          |
| 96-206      | 08/820499 | 03/19/97 | 6216111 | 04/10/01 |
| 96-207      | 08/883308 | 06/26/97 | 5945653 | 08/31/99 |
| 96-217      | 08/888049 | 07/03/97 | 6203427 | 03/20/01 |
| 96-217-C1   | 09/765165 | 01/18/01 | 6790139 | 09/14/04 |
| 97-006      | 08/822709 | 03/21/97 | 6267670 | 07/31/01 |
| 97-006-C1   | 09/836409 | 04/16/01 | 6582304 | 06/24/03 |
| 97-006-C2   | 10/424362 | 04/25/03 | 6887153 | 05/03/05 |
| 97-006-C3   | 11/058653 | 02/15/05 | 7479060 | 01/20/09 |
| 97-006-C4   | 11/425211 | 06/20/06 | 7547251 | 06/16/09 |
| 97-006-C5   | 11/425228 | 06/20/06 | 7494417 | 02/24/09 |
| 97-010      | 08/862250 | 05/23/97 | 6377963 | 04/23/02 |
| 97-018      | 08/843153 | 04/11/97 | 6088444 | 07/11/00 |
| 97-018-C1   | 09/360392 | 07/23/99 | 6222920 | 04/24/01 |
| 97-018-C2   | 09/633625 | 08/07/00 | 6487291 | 11/26/02 |
| 97-022      | 08/921868 | 08/28/97 | 6018718 | 01/25/00 |
| 97-022-C1   | 09/422415 | 10/21/99 | 6434534 | 08/13/02 |
| 97-033      | 08/889589 | 07/08/97 | 5970470 | 10/19/99 |
| 97-034      | 08/943965 | 10/06/97 | 6119100 | 09/12/00 |
| 97-034-C1   | 09/563715 | 05/02/00 | 6507822 | 01/14/03 |
| 97-035      | 09/052295 | 03/31/98 | 6086477 | 07/11/00 |
| 97-035-C1   | 09/568484 | 05/10/00 | 6599186 | 07/29/03 |
| 97-035-C2   | 10/623046 | 07/18/03 | 6908382 | 06/21/05 |
| 97-035-C3   | 11/136043 | 05/24/05 | 7300349 | 11/27/07 |
| 97-035-C4   | 11/424906 | 06/19/06 | 7387569 | 06/17/08 |
| 97-035-C5   | 11/424911 | 06/19/06 | 7384332 | 06/10/08 |
| 97-035-C6   | 11/424912 | 06/19/06 | 7384333 | 06/10/08 |
| 97-035-C7   | 12/135758 | 06/09/08 | 7780514 | 08/24/10 |
| 97-036      | 08/912185 | 08/15/97 | 6146272 | 11/14/00 |
| 97-036-C1   | 09/627192 | 07/26/00 | 6325716 | 12/04/01 |
| 97-036-C2   | 10/162823 | 10/25/01 | 6733387 | 05/11/04 |
| 97-051      | 08/940265 | 09/29/97 | 6381582 | 04/30/02 |

|             |           |          |         |          |
|-------------|-----------|----------|---------|----------|
| 97-052      | 08/916656 | 08/22/97 | 6107932 | 08/22/00 |
| 97-054      | 08/920116 | 08/26/97 | 6119099 | 09/12/00 |
| 97-054-C1   | 09/442754 | 11/12/99 | 6598024 | 07/22/03 |
| 97-054-C2   | 10/625089 | 07/22/03 | 7587334 | 09/08/09 |
| 97-054-C3   | 12/420397 | 04/08/09 | 7801762 | 09/21/10 |
| 97-059      | 08/946508 | 10/07/97 | 6064987 | 05/16/00 |
| 97-059-1    | 09/264379 | 03/05/99 | 6336104 | 01/01/02 |
| 97-059-1-C1 | 09/654341 | 09/08/00 | 6980968 | 12/27/05 |
| 97-059-C1   | 09/490898 | 01/25/00 | 6330548 | 12/11/01 |
| 97-059-C2   | 10/033691 | 11/09/01 | 7454381 | 11/18/08 |
| 97-059-C5   | 11/425301 | 06/20/06 | 7895100 | 02/22/11 |
| 97-059-C6   | 13/031284 | 02/21/11 | 8121922 | 02/21/12 |
| 97-059-C7   | 13/401108 | 02/21/12 |         |          |
| 97-059-C8   | 13/433008 | 03/28/12 |         |          |
| 97-070      | 08/947798 | 10/09/97 | 7546277 | 06/09/09 |
| 97-070-1    | 11/926768 | 10/29/07 | 7711658 | 05/04/10 |
| 97-070-3    | 11/926948 | 10/29/07 | 7894937 | 02/22/11 |
| 97-071      | 08/966608 | 11/10/97 | 5988346 | 11/23/99 |
| 97-071-C1   | 09/353269 | 07/14/99 | 6085888 | 07/11/00 |
| 97-071-C2   | 09/545596 | 04/06/00 | 6298972 | 10/09/01 |
| 97-134      | 09/036131 | 03/06/98 | 5999596 | 12/07/99 |
| 97-134-C1   | 09/417182 | 10/12/99 | 6327348 | 12/04/01 |
| 97-324      | 08/997677 | 12/23/97 | 6199014 | 03/06/01 |
| 97-429      | 09/001901 | 12/31/97 | 6250685 | 06/26/01 |
| 97-429-1    | 09/434270 | 11/05/99 | 6224055 | 05/01/01 |
| 97-429-1-C1 | 09/664957 | 09/18/00 | 6572107 | 06/03/03 |
| 97-430      | 09/012163 | 01/22/98 | 6397193 | 05/28/02 |
| 97-434      | 09/152905 | 09/14/98 | 6161059 | 12/12/00 |
| 97-434-C1   | 09/635111 | 08/09/00 | 6317649 | 11/13/01 |
| 97-434-C2   | 10/012132 | 10/30/01 | 6658323 | 12/02/03 |
| 97-557      | 09/045386 | 03/20/98 | 7272569 | 09/18/07 |
| 97-557-1-1  | 11/934958 | 11/05/07 | 7717784 | 05/18/10 |
| 97-558      | 09/045036 | 03/20/98 | 7606729 | 10/20/09 |
| 97-561      | 09/045518 | 03/20/98 | 7072850 | 07/04/06 |
| 97-563      | 09/076409 | 05/12/98 | 6298329 | 10/02/01 |
| 97-563-C1   | 09/643668 | 08/18/00 | 6876978 | 04/05/05 |
| 97-563-R1   | 10/678058 | 10/02/03 | RE40186 | 03/25/08 |
| 97-564      | 09/045084 | 03/20/98 | 6223163 | 04/24/01 |
| 98-007      | 09/049297 | 03/27/98 | 7240021 | 07/03/07 |
| 98-007-C1   | 11/668967 | 01/30/07 | 7406438 | 07/29/08 |
| 98-008      | 09/052093 | 03/31/98 | 6230150 | 05/08/01 |
| 98-010      | 09/164473 | 10/01/98 | 6203430 | 03/20/01 |
| 98-017      | 09/098481 | 06/16/98 | 7536349 | 05/19/09 |

|              |           |          |         |          |
|--------------|-----------|----------|---------|----------|
| 98-018       | 09/085424 | 05/27/98 | 6138105 | 10/24/00 |
| 98-018-C1    | 09/571210 | 05/16/00 | 6601036 | 07/29/03 |
| 98-020       | 09/083483 | 05/22/98 | 6298331 | 10/02/01 |
| 98-023       | 09/223164 | 12/30/98 | 6325284 | 12/04/01 |
| 98-025       | 09/110626 | 07/06/98 | 6093026 | 07/25/00 |
| 98-025-C1    | 09/396155 | 09/14/99 | 6616458 | 09/09/03 |
| 98-030       | 09/106888 | 06/29/98 | 6282523 | 08/28/01 |
| 98-035       | 09/157232 | 09/18/98 | 6328648 | 12/11/01 |
| 98-035-C1    | 10/007874 | 11/12/01 | 6648762 | 11/18/03 |
| 98-038       | 09/218085 | 12/22/98 | 7587333 | 09/08/09 |
| 98-039       | 09/135179 | 08/17/98 | 6567787 | 05/20/03 |
| 98-040       | 09/164670 | 10/01/98 | 6324520 | 11/27/01 |
| 98-043       | 09/166267 | 10/05/98 | 6687679 | 02/03/04 |
| 98-043-C1    | 10/728226 | 12/04/03 | 7194423 | 03/20/07 |
| 98-048       | 09/166405 | 10/05/98 | 6405174 | 06/11/02 |
| 98-048-C1    | 10/118620 | 04/05/02 | 7099832 | 08/29/06 |
| 98-048-C2    | 11/399143 | 04/06/06 | 7496523 | 02/24/09 |
| 98-048-C3    | 12/111637 | 04/29/08 |         |          |
| 98-054       | 09/219220 | 12/23/98 | 6341268 | 01/22/02 |
| 98-057       | 09/221250 | 12/28/98 | 6720990 | 04/13/04 |
| 98-057-C1    | 10/718327 | 11/20/03 | 7092006 | 08/15/06 |
| 98-057-C2    | 11/424702 | 06/16/06 | 7602414 | 10/13/09 |
| 98-057-C3    | 11/424708 | 06/16/06 | 7817182 | 10/19/10 |
| 98-057-C4    | 11/424718 | 06/16/06 | 7602416 | 10/13/09 |
| 98-057-C5    | 11/424724 | 06/16/06 | 7719565 | 05/18/10 |
| 98-057-C5-R1 | 13/475029 | 05/18/12 |         |          |
| 98-057-C6    | 11/424731 | 06/16/06 | 7605840 | 10/20/09 |
| 98-057-C7    | 11/424738 | 06/16/06 | 7593033 | 09/22/09 |
| 98-058       | 09/223899 | 12/31/98 | 6349295 | 02/19/02 |
| 98-059       | 09/166339 | 10/05/98 | 6374240 | 04/16/02 |
| 98-060       | 09/157837 | 09/21/98 | 6052667 | 04/18/00 |
| 98-076       | 09/596008 | 06/16/00 | 6676126 | 01/13/04 |
| 98-076-C2    | 12/612460 | 11/04/09 | 8042809 | 10/25/11 |
| 98-078       | 09/224486 | 12/31/98 | 6445309 | 09/03/02 |
| 98-084-C2    | 11/456245 | 07/10/06 |         |          |
| 98-092       | 09/267489 | 03/11/99 | 6978248 | 12/20/05 |
| 98-093       | 09/282132 | 03/31/99 | 6302844 | 10/16/01 |
| 98-099       | 09/283389 | 04/01/99 | 6988077 | 01/17/06 |
| 98-099-C1    | 11/263942 | 11/01/05 | 8458027 | 06/04/13 |
| 98-099-C3    | 13/907915 | 06/01/13 |         |          |
| 98-110       | 09/221457 | 12/28/98 | 6415262 | 07/02/02 |
| 98-113       | 09/350875 | 07/09/99 | 7343319 | 03/11/08 |
| 98-113-4-C1  | 12/592220 | 11/20/09 | 8260670 | 09/04/12 |

|               |           |          |         |          |
|---------------|-----------|----------|---------|----------|
| 98-113-4-C2   | 13/599137 | 08/30/12 |         |          |
| 98-116        | 09/260437 | 03/02/99 | 7162434 | 01/09/07 |
| 98-116-C1     | 11/611931 | 12/18/06 | 8015059 | 09/06/11 |
| 98-116-C2-1   | 13/397856 | 02/16/12 |         |          |
| 98-117        | 09/260439 | 03/02/99 | 6658390 | 12/02/03 |
| 98-117-C1     | 10/463708 | 06/17/03 | 7246072 | 07/17/07 |
| 98-117-C2     | 11/456444 | 07/10/06 | 8046247 | 10/25/11 |
| 98-117-C3     | 13/267982 | 10/07/11 | 8417580 | 04/09/13 |
| 98-117-C4     | 13/769265 | 02/15/13 |         |          |
| 98-119        | 09/345092 | 06/30/99 | 7249050 | 07/24/07 |
| 98-119-C1     | 11/456342 | 07/10/06 | 7451892 | 11/18/08 |
| 98-119-C2     | 11/456355 | 07/10/06 | 7885726 | 02/08/11 |
| 99-004        | 09/360422 | 07/23/99 | 7899710 | 03/01/11 |
| 99-004-C1     | 13/025814 | 02/11/11 |         |          |
| 99-007        | 09/282747 | 03/31/99 | 7827057 | 11/02/10 |
| 99-007-C1     | 12/938046 | 11/02/10 |         |          |
| 99-012        | 09/316546 | 05/21/99 | 7729988 | 06/01/10 |
| 99-012-C1     | 12/791567 | 06/01/10 |         |          |
| 99-018        | 09/282128 | 03/31/99 | 6513014 | 01/28/03 |
| 99-025        | 09/505361 | 02/16/00 | 7006983 | 02/28/06 |
| 99-030-C1     | 12/228176 | 08/11/08 | 8447623 | 05/21/13 |
| 99-032-1      | 11/928572 | 10/30/07 |         |          |
| 99-037-C2     | 11/421669 | 06/01/06 | 7933893 | 04/26/11 |
| 99-037-C4     | 11/421688 | 06/01/06 | 8041711 | 10/18/11 |
| 99-037-C5     | 13/214276 | 08/22/11 |         |          |
| 99-045        | 09/528595 | 03/20/00 | 6497408 | 12/24/02 |
| 99-045-C1     | 10/272125 | 10/15/02 | 7052394 | 05/30/06 |
| 99-045-C2     | 11/373725 | 03/10/06 | 8100749 | 01/24/12 |
| 99-045-C3     | 11/424962 | 06/19/06 |         |          |
| 99-045-C4     | 11/424973 | 06/19/06 |         |          |
| 99-062-1      | 11/423821 | 06/13/06 | 7899737 | 03/01/11 |
| 99-062-1-C1   | 13/022189 | 02/07/11 |         |          |
| 99-062-2      | 11/423827 | 06/13/06 | 7801802 | 09/21/10 |
| 99-077        | 09/538805 | 03/30/00 | 7251617 | 07/31/07 |
| 99-077-1      | 11/768594 | 06/26/07 | 7613631 | 11/03/09 |
| 99-077-1-C1   | 12/611365 | 11/03/09 | 8121899 | 02/21/12 |
| 99-077-1-C2   | 13/400406 | 02/20/12 | 8285591 | 10/09/12 |
| 99-077-1-C3   | 13/646145 | 10/05/12 |         |          |
| 99-086        | 09/536791 | 03/28/00 | 7783537 | 08/24/10 |
| 99-091-1      | 11/746696 | 05/10/07 | 8046265 | 10/25/11 |
| 99-091-1-C1-1 | 13/784443 | 03/04/13 |         |          |
| 99-099        | 09/609931 | 06/30/00 | 7383200 | 06/03/08 |

WDLLC-WDHLLC\_PAT\_ASSIGN\_09-18-13

|           |           |          |         |          |
|-----------|-----------|----------|---------|----------|
| 99-112-C3 | 13/226191 | 09/06/11 | 8366544 | 02/05/13 |
| 99-112-C4 | 13/734034 | 01/04/13 |         |          |