504321715 04/14/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4368397

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARVATO DIGITAL SERVICES LLC	03/24/2017

RECEIVING PARTY DATA

Name:	III HOLDINGS 12, LLC
Street Address:	2711 CENTERVILLE ROAD
Internal Address:	SUITE 400
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14836707

CORRESPONDENCE DATA

Fax Number: (608)258-4258

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 608 258-4352

Email: ipdocketing@foley.com, lmanderson@foley.com

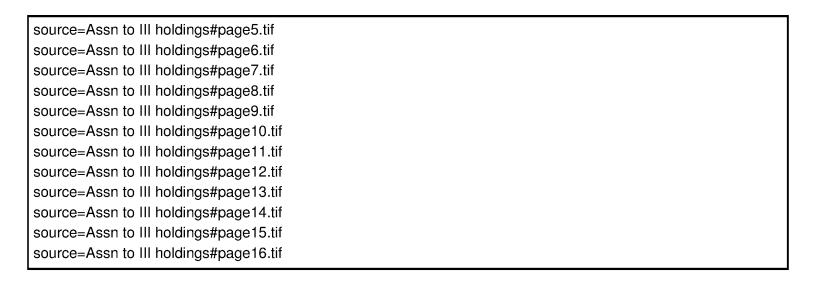
Correspondent Name: LINDA M. ANDERSON
Address Line 1: FOLEY & LARDNER LLP
Address Line 2: 150 EAST GILMAN STREET
Address Line 4: MADISON, WISCONSIN 53703

ATTORNEY DOCKET NUMBER:	104985-0684
NAME OF SUBMITTER:	LINDA M. ANDERSON
SIGNATURE:	/Linda M. Anderson/
DATE SIGNED:	04/14/2017

Total Attachments: 16

504321715

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Arvato Digital Services LLC, a Delaware limited liability company, with an office at 29011 Commerce Center Drive, Valencia, CA 91355, USA ("Assignor"), does hereby sell, assign, transfer, and convey unto III Holdings 12, LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808, USA ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "Patents");

			Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
5809145	US	06/28/1996	System for distributing digital
			information
			David Slik
7356847	US	04/22/2002	System for dynamically
			encrypting content for secure
			internet commerce and
			providing embedded
			fulfillment software
		31(04(4034	Shannon Byrne
7010697	US	04/22/2002	System for dynamically
			encrypting information for secure internet commerce and
		GRADOM	}
			providing embedded fulfillment software
			Iditionical software
		***************************************	Shannon Byrne
7124437	US	01/14/2005	System for dynamically
		ganga da	encrypting information for
		KARANGURA	secure internet commerce and
		u de la companya de l	providing embedded
		Sectorio	fulfillment software
		*******	7
			Shannon Byrne

Page 17

Title	of P	aten	t an	d F	irst

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Patent or Application No.	Country	Filing Date	Named Inventor
7743427	US	06/15/2006	System for dynamically
			encrypting information for
			secure internet commerce and
			providing embedded
			fulfillment software
	77		
			Shannon Lee Byrne
7770230	US	10/30/2007	System for dynamically
			encrypting content for secure
			internet commerce and
			providing embedded
			fulfillment software
			Shannon Lee Byrne
8499356	US	05/24/2010	System for dynamically
			encrypting information for
			secure internet commerce and
			providing embedded
			fulfillment software
			idilimiem somware
			Shannon Lee Byrne
15/011219	US	01/29/2016	SYSTEM FOR
***************************************	00	0 47 40 7 40 4 0	DYNAMICALLY
			ENCRYPTING CONTENT
			FOR SECURE INTERNET
			}
			COMMERCE AND
			PROVIDING EMBEDDED
Translation of the Control of the Co			FULFILLMENT SOFTWARE
			Shannon Lee Byrne
9124424	US	06/17/2010	System, apparatus and method
ZIATTAT	00	00/1//2010	, , , , , , , , , , , , , , , , , , , ,
Parameter			for license key permutation
			David Aldis
14/836707	US	08/26/2015	System, apparatus and method
ATT 0.20101	00	OGIZGIZGIJ	for License Key permutation
and the second			to the case was beingranou
			Dorid Aldia
<u></u>			David Aldis

<u>Title</u>	of	Patent	Fir	st

MAN A MAN LE MAN	.~	¥9884 ¥%	1 me of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
7882037	US	10/24/2007	Open, neutral electronic
			distribution system for digital
			content providing distribution
			channel support to publishers
			and retailers and abstract
			fulfillment for publishers
			Total
			Karl Hirsch
15/254820	US	09/01/2016	OPEN, NEUTRAL
13/234020	0.5	03/01/2010	ELECTRONIC
			DISTRIBUTION SYSTEM
			FOR DIGITAL CONTENT
			PROVIDING
			DISTRIBUTION CHANNEL
			SUPPORT TO PUBLISHERS
			AND RETAILERS AND
			ABSTRACT FULFILLMENT
			FOR PUBLISHERS
			Karl Hirsch
7200760	US	12/31/2002	System for persistently
,200,00	100	1 20 21 20 000	encrypting critical software
			data to control the operation of
			an executable software
			program
			Heinrich Henning Riebe
6223288	US	05/22/1998	System for persistently
and the second s			encrypting critical software
			file to prevent installation of
			software program on
			unauthorized computers
			anaumonzea computers
		•	Shannon Byrne
8799411	US	05/27/2011	Method and apparatus for
			providing enhanced streaming
			content delivery with multi-
			archive support using secure
			download manager and
			content-indifferent decoding
			David Aldia
	<u> </u>	1	David Aldis

Title of Patent and First

<u> </u>			Little of Patent and Pirst
Patent or Application No.	Country	Filing Date	Named Inventor
9253234	US	07/02/2014	Method and apparatus for
			providing enhanced streaming
			content delivery with multi-
			archive support using secure
			download manager and
			content-indifferent decoding
			_
			David Aldis
9516083	US	01/29/2016	METHOD AND
			APPARATUS FOR
			PROVIDING ENHANCED
			STREAMING CONTENT
			DELIVERY WITH MULTI-
			ARCHIVE SUPPORT USING
			SECURE DOWNLOAD
			MANAGER AND
			CONTENT-INDIFFERENT
			DECODING
			DECODING
			David Aldis
15/369491	US	12/05/2016	METHOD AND
13/309491	US	12/03/2010	APPARATUS FOR
			PROVIDING ENHANCED
			STREAMING CONTENT
			DELIVERY WITH MULTI-
			ARCHIVE SUPPORT USING
			SECURE DOWNLOAD
			MANAGER AND
			CONTENT-INDIFFERENT
			DECODING
			70.
2424	1,,,,	n + //2 + //2 2 2 2	David Aldis
9124584	US	04/24/2006	Location-specific or range-
			based licensing system

		55/5-7/-	Karl Hirsch
14/836690	US	08/26/2015	LOCATION-SPECIFIC OR
			RANGE-BASED
			LICENSING SYSTEM
			Karl Hirsch

- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, 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, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) 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 (f), 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;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for
 - (1) damages,
 - (2) injunctive relief, and
 - (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and
- (2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

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.

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 R on March 24, 2017	ights is executed at
ASSIGNOR:	
Arvato Digital Services LLC	
ву:	
Name: Janick Sittack	
Title: EVP	
ву: <u>() () () () () () () () () () () () () (</u>	
Name: Garo kechbouladian	
Title: CFo	
(Signature MUST be attested)	

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 The undersigned witnessed the signature of Dominik Diffrict and to the above Assignment of Patent Rights on behalf of Arvato Digital Services LLC and makes the following statements: I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so. 2. Dominik Diffich and Gare Kechbouladian 2. Dominik Diffich and Gare Kechbouladian 2. is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on March 34, 2017 to execute the above Assignment of Patent Rights on behalf of Arvato Digital Services LLC. Dominik Differds and Gare Keckbouladian subscribed to the above Assignment of Patent Rights on behalf of Arvato Digital Services LLC. I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on March 24, 2017 (date) ASSIGNEE: III Holdings 12, LLC Name:

(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed Assignment of Patent Right following statements:	I the signature of ats on behalf of III Holdings	to the above 12, LLC and makes the
1. I am over the age of Attestation block if called	of 18 and competent to testi upon to do so.	fy as to the facts in this
2. basis of satisfactory eviden to execute the above Assig LLC.	_ is personally known to me ice) and appeared before me nment of Patent Rights on be	(or proved to me on the on, 2017 chalf of III Holdings 12,
3. Rights on behalf of III Hol	_ subscribed to the above dings 12, LLC.	Assignment of Patent
	f perjury under the laws on the made in the three (3) and correct.	
EXECUTED on	(date)	
Drint Noma		

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Arvato Digital Services LLC, a Delaware limited liability company, with an office at 29011 Commerce Center Drive, Valencia, CA 91355, USA ("Assignor"), does hereby sell, assign, transfer, and convey unto III Holdings 12, LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808, USA ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "Patents");

	~	Private a Production	<u>Title of Patent and First</u> Named Inventor
Patent or Application No. 5809145	Country US	Filing Date 06/28/1996	System for distributing digital information
7356847	US	04/22/2002	David Slik System for dynamically encrypting content for secure internet commerce and providing embedded fulfillment software
7010697	US	04/22/2002	Shannon Byrne System for dynamically encrypting information for secure internet commerce and providing embedded fulfillment software
7124437	US	01/14/2005	Shannon Byrne System for dynamically encrypting information for secure internet commerce and providing embedded fulfillment software
			Shannon Byrne

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
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	Y 100	1 n (m n (m n n m	Shannon Lee Byrne
7770230	US	10/30/2007	System for dynamically encrypting content for secure internet commerce and providing embedded fulfillment software Shannon Lee Byrne
8499356	US	05/24/2010	System for dynamically encrypting information for secure internet commerce and providing embedded fulfillment software Shannon Lee Byrne
15/011219	US	01/29/2016	SYSTEM FOR DYNAMICALLY ENCRYPTING CONTENT FOR SECURE INTERNET COMMERCE AND PROVIDING EMBEDDED FULFILLMENT SOFTWARE Shannon Lee Byrne
9124424	US	06/17/2010	System, apparatus and method for license key permutation David Aldis
14/836707	US	08/26/2015	System, apparatus and method for License Key permutation David Aldis

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
7882037	US	10/24/2007	Open, neutral electronic distribution system for digital content providing distribution channel support to publishers and retailers and abstract fulfillment for publishers
15/254820	US	09/01/2016	Karl Hirsch OPEN, NEUTRAL
			ELECTRONIC DISTRIBUTION SYSTEM FOR DIGITAL CONTENT PROVIDING DISTRIBUTION CHANNEL SUPPORT TO PUBLISHERS AND RETAILERS AND ABSTRACT FULFILLMENT FOR PUBLISHERS
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6223288	US	05/22/1998	Heinrich Henning Riebe System for persistently encrypting critical software file to prevent installation of software program on unauthorized computers
8799411	US	05/27/2011	Shannon Byrne Method and apparatus for providing enhanced streaming content delivery with multi-archive support using secure download manager and content-indifferent decoding
			David Aldis

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
9253234	US	07/02/2014	Method and apparatus for providing enhanced streaming content delivery with multi-archive support using secure download manager and content-indifferent decoding
			David Aldis
9516083	US	01/29/2016	METHOD AND APPARATUS FOR PROVIDING ENHANCED STREAMING CONTENT DELIVERY WITH MULTI- ARCHIVE SUPPORT USING SECURE DOWNLOAD MANAGER AND CONTENT-INDIFFERENT DECODING
			David Aldis
15/369491	US	12/05/2016	METHOD AND APPARATUS FOR PROVIDING ENHANCED STREAMING CONTENT DELIVERY WITH MULTI- ARCHIVE SUPPORT USING SECURE DOWNLOAD MANAGER AND CONTENT-INDIFFERENT DECODING David Aldis
9124584	US	04/24/2006	Location-specific or range- based licensing system Karl Hirsch
14/836690	US	08/26/2015	LOCATION-SPECIFIC OR RANGE-BASED LICENSING SYSTEM Karl Hirsch

- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, 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, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) 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 (f), 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;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for
 - (1) damages.
 - (2) injunctive relief, and
 - (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and
- (2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

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.

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 Right on,	its is executed at
ASSIGNOR:	
Arvato Digital Services LLC	
Ву:	
Name: Title:	
By:	
Name:	
Title:	
(Signature MUST be attested)	

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

	The undersigned witnessed the signature of
	 I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
	2 is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on, 2017 to execute the above Assignment of Patent Rights on behalf of Arvato Digital Services LLC.
	3. subscribed to the above Assignment of Patent Rights on behalf of Arvato Digital Services LLC.
	I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.
	EXECUTED on(date)
	Print Name:
ASSIG	NEE:
III Ho	idings 12, LLC
By: Name: Title: (Signation	Ture MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Lowing to the above Assignment of Patent Rights on behalf of III Holdings 12, LLC and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- 2. LLC. is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on 6 02, 2017 to execute the above Assignment of Patent Rights on behalf of III Holdings 12, LLC.
- 3. Gava Dean subscribed to the above Assignment of Patent Rights on behalf of III Holdings 12, LLC.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 16. MARCH. 217 (date)

Print Name: DECLAN CAM