

Digital Transformation of the Legal Industry Webinar Series

SLW Digital Transformation Case Study: Prosecution II

Claim Tracking, Reference Analysis Tools and Reports, Prosecution Landscape Tools and Reports, IDS Management

8-Episode Webinar Series

Episode 01 – What is Digital Transformation for Law Practices? **Thursday, February 11**th, **2021**, at **12:00 PM CT**

Episode 02 – SLW Digital Transformation Case Study: Overview of SLW systems, tools, data lake, processes, teams and personnel. **Thursday, March 11**th, **2021,at 12:00 PM CT**

Episode 03 – SLW Digital Transformation Case Study: Application Preparation – Disclosure intake and docketing, application drafting tools, production management

Thursday, April 13th, 2021, at 12:00 PM CT

Episode 04 – SLW Digital Transformation Case Study: Prosecution I – Receiving & Reporting PTO Correspondence – docketing, data/document storage, work packets, drafting and filing papers and responses; reporting to clients **Thursday, May 13**th, **2021**, **at 12:00 PM CT**

Episode 05 – SLW Digital Transformation Case Study: Prosecution II – Claim tracking, reference analysis tools and reports, prosecution landscape tools and reports, IDS management **Thursday, June 10**th, **2021, at 12:00 PM CT**

Episode 06 – SLW Digital Transformation Case Study: Due Diligence, Freedom to Operate Studies, Landscape Studies, Portfolio Curation, Portfolio Analytics, Landscape Analytics, Examiner and Attorney Analytics

Thursday, July 8th, 2021, at 12:00 PM CT

Episode 07 -- SLW Digital Transformation Case Study: Billing, Invoicing, Client Budgeting and Cost Projection **Thursday, August 12**th, **2021**, **at 12:00 PM CT**

Episode 08 -- SLW Digital Transformation Case Study: Recruiting, on-Boarding, Training, Firm Communications **Thursday, September 9**th, **2021**, at **12:00 PM CT**

Before We Get Started...



Recording

A link to the recording and slides will be emailed to all registrants.



Questions

Type in the question box and we will answer in real time or during the Q&A.



Social

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Today's Presenters...



Steve Lundberg
Principal & Chief
Innovation Officer
Schwegman Lundberg
& Woessner



Piers Blewett
Principal
Schwegman Lundberg
& Woessner



Ann McCrackin
President,
Black Hills IP
Patent Attorney
Professor of Law



Legal Process Manager, Schwegman, Lundberg & Woessner



Jill Young
Software Manager
Schwegman Lundberg
& Woessner

Episode Overview

- Introduction
- Claim History Reports
- Automated IDS
- Automated Reference Management





- Details
- Claim Chart
- Claim History
- Remarks
- Argued References
- Reference Detail

Claim Tracker

5					MATTER	DETAILS	:			
6		FIDUC	L MARKE	RS FOR FL	RS FOR FLUORESCENT 3D IMAGING					
7	Patent/Publication No.			10925493						
8	Patent/Publication Date			23-Feb-2021						
9	File No.			LANT-0103-U01						
10	Client N	0.								
11	Country				United States of America					
12	Filing Da	ate			14-Mar-2014	14-Mar-2014				
13	Applicat	ion No.			14/214,414					
14	Status				Issued					
15	Priority	Date			15-Mar-2013					
	Invento	rs			Alison M. Forsy	th, Daniel VI	asic, Be	en Frantzdale, A	lban de	
					Brouchoven de	Bergeyck, Xi	aowei	Chen, Manas Me	enon, Federico	
16					Frigerio					
18	Publishe	ed Assignee	_		ı					
19	Current	Assignee			Ī _i					
	Assignment Chain			Assignment 1						
21				Reel/Frame :		054640-0771				
22				Date Recorded :		08-Dec-2020 CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).				
				Conveyance :						
23										
24					Assignor:					
25					Assignee :					
26					Execution Date	:		05-Nov-2020		
27										
28					Assignment 2					
29					Reel/Frame :		054459-0781			
30	5				Date Recorded :		24-Nov-2020			
								ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR		
31				Conveyance :		DETAILS).				
32	2 A				Assignor:					
33					Assignee:					
	4	Details	•	laim Chart	Claim History	Remarks	Argu	ed References	Reference Detail	

Claim Chart

aim #	Application - 14-Mar-2014	Non-Final Office Action - 29-Jan-2016	Non-Final Office Action Response - 28-Apr-2016
1	Original	Original Rejected (102(a))	Currently Amended <amended 1="" time(s)=""></amended>
2	Original	Original Rejected (102(a))	Original
3	Original	Original Rejected (102(a))	Original
4	Original	Original Rejected (102(a))	Original
5	Original	Original Rejected (102(a))	Original
6	Original	Original Rejected (102(a))	Currently Amended <amended 1="" time(s)=""></amended>
7	Original	Original Rejected (102(a))	Original
8	Original	Original Rejected (103)	Currently Amended <amended 1="" time(s)=""></amended>
9	Original	Original Rejected (103)	Original
10	Original	Original Rejected (103)	Original
11	Original	Original Rejected (103)	Original
12	Original	Original Rejected (103)	Original
13	Original	Original Rejected (103)	Original
14	Original	Original Rejected (103)	Original
15	Original	Original Rejected (103)	Original
16	Original	Original Rejected (103)	Currently Amended <amended 1="" time(s)=""></amended>
17	Not Filed	N/A	New
18	Not Filed	N/A	Not Filed
19	Not Filed	N/A	Not Filed
20	Not Filed	N/A	Not Filed
21	Not Filed	N/A	Not Filed
22	Not Filed	N/A	Not Filed
23	Not Filed	N/A	Not Filed

Claim History

laim #	Application Filed 14-Mar-2014	Non-Final Office Action 29-Jan-2016	Non-Final Office Action Response 28-Apr-2016
1	1. An apparatus comprising: a balloon membrane including an opening, an exterior surface, and an interior surface, the interior surface including one or more fiducial markers forming a pattern detectable by a scanner imaging the interior surface of the inflatable membrane.	An apparatus comprising: a balloon me including an opening, an exterior surface, and surface, the interior surface including one or m fiducial markers forming a pattern detectable to scanner imaging the interior surface of the influembrane.	an interior membrane including an opening, an exterior surface, and an interior surface, wherein the interior surface including includes or more fiducial markers forming a pattern detectable by a scann
2	The apparatus of claim 1 further comprising: scanner coupled to the opening of the balloon membrane.	The apparatus of claim 1 further comprisings scanner coupled to the opening of the balloon membrane.	g: a 2. (Original) The apparatus of claim 1 further comprising: a
3	3. The apparatus of claim 2, wherein the scanner images a plurality of portions of the interior surface including the one or more fiducial markers forming the pattern, when the balloon membrane is inflated with a wavelength-selective medium.	3. The apparatus of claim 2, wherein the r a plurality of portions of the interior surfithe one or more fiducial markers formin when the balloon membrane is inflated wavelength-selective medium. metalog m	embrane including an opening, an exterior surface, and an terior surface, wherein the interior surface including includes or more fiducial markers forming a pattern detectable by a scanninging the interior surface of the inflatable balloon membrane, and wherein a first data representative of a first scanned
4	4. The apparatus of claim 1, wherein the one or more fiducial markers forming the pattern encode location information indicating relative locations within the pattern.	The apparatus of claim 1, wherein the fiducial markers forming the pattern end information indicating relative locations pattern.	condition of the interior surface of the balloon membrane and a second data representative of a second scanned portion of the terior surface of the balloon membrane are combined based at ast in part on the one or more fiducial markers forming the

Quickly search by rejection type

Remarks

Quickly search by cited art

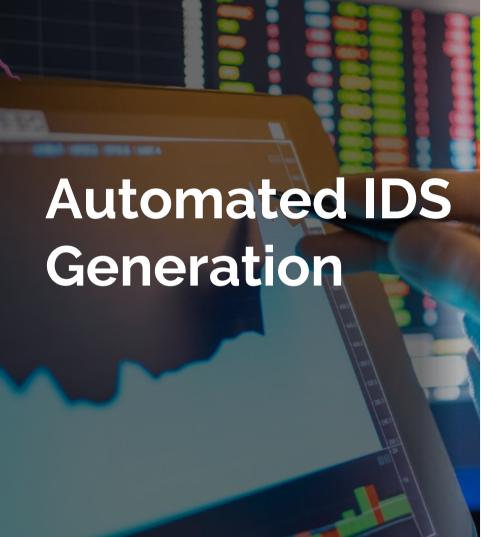
Remark #	Non-Final Office Action 29-Jan-2016	Non-Final Office Action Response 28-Apr-2016	ı
	Claims 1-7 are rejected under pre-AIA 35 U.S.C. § 102(a) as being anticipated by Hart	Claims 1-7 stand rejected under 35 U.S.C. § 102(a) as anticipated by Hart. The	7
	'416 (patent publication WO 2013003416). Regarding claim 1, Hart discloses an	rejections are respectfully traversed. To present a valid anticipation rejection under 35	5
	apparatus that includes a balloon membrane (see "inflatable membrane 302" in FIG.	U.S.C. § 102, the Office must identity a single prior art reference in which "each and	
	3; ¶ 0049) including an opening (see "opening 306" in FIG. 3; ¶ 0050), an exterior	every element as set forth in the claim is found, either expressly or inherently	
	surface (see 352 in FIG. 3), and an interior surface (see "surface 309 of the interior	described." MPEP §2131 quoting Verdegaal Bros. v. Union Oil Co. of California, 814	
	307" in FIG. 3; ¶ 0051), the interior surface including one or more fiducial markers	F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). The Examiner's rejections over	
	(see claim 21) forming a pattern (see claim 29) detectable by a scanner imaging the	Hart fail to satisfy this burden with regard to the currently pending claims. As	
	interior surface of the inflatable membrane (see claim 21). Regarding claim 2, Hart	amended, claim 1 recites the following: [A] balloon membrane including an opening,	
	'416 discloses a scanner coupled to the opening of the balloon membrane (see	an exterior surface, and an interior surface, wherein the interior surface includes one	
	"scanner element 308" in FIG. 3; ¶ 0062). Regarding claim 3, Hart '416 discloses that	or more fiducial markers forming a pattern detectable by a scanner imaging the	
	the scanner images a plurality of portions of the interior surface including the one	interior surface of the balloon membrane, and wherein a first data representative of	a
1	more fiducial markers (see claim 21) forming the pattern (see claim 29), when the	first scanned portion of the interior surface of the balloon membrane and a second	
	balloon membrane is inflated with a wavelength-selective medium (see claim 26).	data representative of a second scanned portion of the interior surface of the balloon	
	Regarding claim 4, Hart '416 discloses that the one or more fiducial markers forming	membrane are combined based at least in part on the one or more fiducial markers	
	the pattern encode location information indicating relative locations within the	forming the pattern.	
	pattern (see ¶ 0058). Regarding claim 5, Ha		
	information is encoded based on at least or Quickly search by		
	Regarding claim 6, Hart '416 discloses that distinguishing		
	indicates a relative location on the pattern claim 7 claim element		
	membrane (see ¶ 0058). Regarding claim 7,		
	fiducial markers are applied to the interior same or the images memorane by ac-		
	least one of pad-printing or photo-bleaching (see ¶ 0068).		

Argued References

5					Ц		
6	ARGUED REFERENCES: 10925493 (14/214,414)						
	# of Citations	Matters with	References cited	Non-Final Office Action 29-Jan-2016	١		
	in portfolio	Cited References	with Action				
		in Common					
7							
			WO 2013003416	103 : Claims 8-16	Cla		
	1			102(a): Claims 1-7			
8							
•	1		20140330133	Examiner Statements : Claims 1-16			
9	1		20140275974	Examiner Statements : Claims 1-16			
10	1						
11	1		20130261655	Examiner Statements : Claims 1-16			
12	1		20150036146	Examiner Statements : Claims 1-16			
	1		20080027358	Examiner Statements : Claims 1-16			
13			VO 2012115062	1113 11311111 1131111	CI.		
leady		n Chart Claim History Remark	Argued References Referen	nce Detail 💮 🕀			

Reference Detail

Patent/Pub#	Grant/Pub Date	Filing Date	Inventor(s)	Title	Status
<u>9592100</u>	14-Mar-2017	31-Dec-2007	OLSON ERIC S	Method and apparatus for encoding catheters with	Received From PTO
				markers for identifying with imaging systems	
<u>WO</u>	30-Aug-2012	17-Feb-2012	KRIVESHKO ILYA A	HYBRID STITCHING	Received From PTO
<u>WO</u>	03-Jan-2013	27-Jun-2012	HART DOUGLAS P	INFLATABLE MEMBRANE FOR USE IN THREE-DIMENSIONAL	Received From PTO
2013003416				IMAGING	
20080027358	31-Jan-2008	30-Jun-2005	GREGERSEN HANS	Morphometry of a Bodily Hollow System	Received From PTO
20090171196	14-Mar-2017	31-Dec-2007	OLSON ERIC S	Method and apparatus for encoding catheters with	Received From PTO
				markers for identifying with imaging systems	
20100039534	13-Nov-2012	24-Jul-2009	HART DOUGLAS P	Three-dimensional imaging using a single camera	Received From PTO
20100168562	27-Dec-2016	23-Apr-2009	ZHAO TAO	Fiducial marker design and detection for locating surgical	Received From PTO
				instrument in images	
20110144480	01-Sep-2015	06-Dec-2010	LU XIAOGUANG	Stent marker detection using a learning based classifier in	Received From PTO
				medical imaging	
<u>20130078555</u>	24-Nov-2015	28-Sep-2012	ORIHARA TOSHIHIKO	Mask blank glass substrate, multilayer reflective film	Received From PTO
				coated substrate, mask blank, mask, and methods of	
				manufacturing the same	
<u>20130261655</u>	07-Apr-2015	13-Feb-2013	DRASLER WILLIAM J	Ellipticity measuring device	Received From PTO
<u>20140275974</u>	18-Sep-2014	12-Mar-2014	SAMUELS MARK ALAN	Surgical Navigation Systems and Methods	Received From PTO
20140330133	05-Mar-2019	28-Apr-2014	STERN ROGER A	Systems and methods for measuring and characterizing	Received From PTO
				interior surfaces of luminal structures	
20150036146	28-Mar-2017	06-Jun-2014	STALOFF DANIEL MAX	OCT probes and OCT optical probe component for use	Received From PTO
				therein	



\triangleright	То	
Send	Сс	
	Subject	FW: Urgent - Pre-Allowance Auto-Generated IDS for matter: 3867.641US1 (IDS Specialist: Jamie Johnson)
38 38 59	67_641US1_ids2 8 KB	0210601110016.pdf

The Tracking ID for this Generated IDS is: 17082
Application #:

Confirmation #: 1058 IDS Count Previously Sent: 1

URGENT: Private PAIR indicates that a Notice of Allowance or a Final Office Action will be mailed on matter 3867.641US1 within the next few days.

Signing and returning the attached IDS during the current business day—before the Notice of Allowance or Final Office Action are mailed—will likely result in consideration of the IDS. If the IDS is submitted after the mailing date of the Notice of Allowance or the Final Office Action, consideration of the IDS may be limited or unavailable.

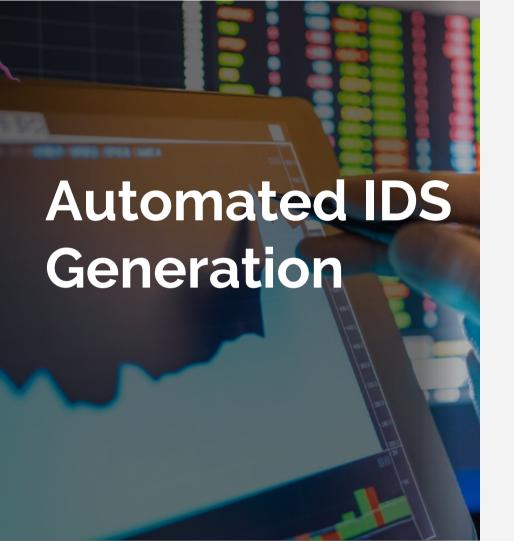
A machine-generated IDS was automatically prepared for matter 3867.641US1 based on the unmarked references currently listed for this matter in FIP. The IDS specialist assigned to this matter is Jamie Johnson. Please click "Reply" to this email and attach a signed copy if you wish to file this document.

If this IDS requires changes, or if no submission is desired for this application, please contact the IDS Specialist, the IDS Specialist group or the Paralegal assigned to this matter.

Please note: This IDS lists at least one foreign patent document or non-patent literature document. An Original copy of the document(s) can be accessed at:

\\msp.slwk.com\slw\casestatus\idsdocs\20210601\3867.641US1\Original\

The Flattened document(s) can be accessed at: \msp.slwk.com\slw\casestatus\idsdocs\20210601\3867.641US1\Flattened

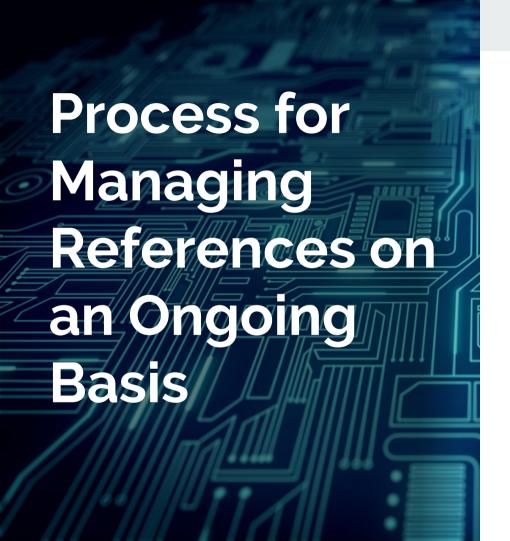


PTO Scrape Status

- Done daily
- IDS automatically created
- Email is sent to signing attorney and IDS Specialist in the matter

Pending US Original Matters

- US Original Matters Filed more than 2 months ago but not more than 5 years ago
- An IDS has not yet been filed
- No office actions have been received
- There are unmarked foreign references or non patent literature references in the matter



- Using your system's tools
- Don't make backfilling harder than it needs to be
- Combine reference tracking with a docketing workflow



- Is a chart view showing the concepts that are key to the invention mapped across the prior art space
- Traditional prior art analysis focuses on a small number of references
- This analysis can miss the "big picture" and hidden opportunities to find patentable subject matter



Landscape Types

- Keyword level automatic
- Scope concept level higher level concepts than keywords – requires some human labor

Advantages of Landscapes

- See the forest, and the trees
- Find patentable subject matter on a systematic basis
- Understand what combinations may be most vulnerable to 103 combination rejection

Reference Drill Down

Title	Widget Apparatus
Patent #	7,800,999
Assignee Name	Acme Co
Filing Date	1-Apr-05
Scope Concept (Appearance, Asc.)	5 Concepts Found
Concept 1	Yes
Concept 2	Yes
Concept 3	Yes
Concept 4	Yes

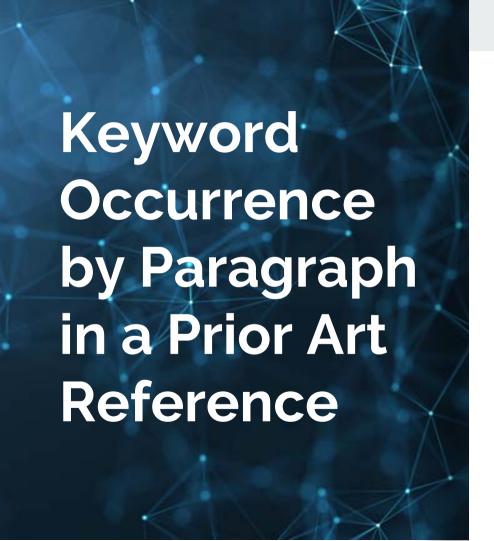
Concept **Density Assessment**

Specification Text and Novelty Ratings					
Specification Concept 1					
Specification Concept 2					
Specification Concept 3					
Specification Concept 4					
Specification Concept 5					
Specification Concept 6					

xt and Novelty

Number of time mentioned in ALL Prior Art

cification Concept 5 75 cification Concept 6



- Allows you to locate the most relevant paragraphs of a reference
- Finds relevant portions of a document that have not yet been called to your attention by the examiner
- Helps to speed analysis of the reference

Thank you for your interest.

Questions?



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