

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5281759

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME AND EXECUTION DATE IN THE RECORDATION previously recorded on Reel 042141 Frame 0696. Assignor(s) hereby confirms the CONVEYANCE ITS ENTIRE RIGHT, TITLE, AND INTEREST IN U.S. PATENT APPLICATION NUMBER 15204777.

CONVEYING PARTY DATA

Name	Execution Date
TODD W. LARGENT	03/30/2017

RECEIVING PARTY DATA

Name:	HEMOCARE PRODUCTS, INC.
Street Address:	700 MILWAUKEE AVENUE NORTH
City:	ALGONA
State/Country:	WASHINGTON
Postal Code:	98001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15204777

CORRESPONDENCE DATA

Fax Number: (206)224-0779

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: 206-682-8100

Email: KYLE.YARBERRY@COJK.COM

Correspondent Name: KYLE E. YARBERRY

Address Line 1: 1201 THIRD AVENUE

Address Line 2: SUITE 3600

Address Line 4: SEATTLE, WASHINGTON 98101

ATTORNEY DOCKET NUMBER:	HOPI-1-58197
NAME OF SUBMITTER:	KYLE E. YARBERRY
SIGNATURE:	/Kyle E. Yarberry/
DATE SIGNED:	12/13/2018

Total Attachments: 31

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4350148

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TODD W LARGENT	03/31/2017
RECEIVING PARTY DATA	
Name:	HEMOCARE PRODUCTS INC
Street Address:	700 MILWAUKEE AVENUE
City:	ALGONA
State/Country:	WASHINGTON
Postal Code:	98001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15204777
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	2064069896
Email:	larry@schreiberlaw.com
Correspondent Name:	LARRY SCHREITER
Address Line 1:	1700 SEVENTH AVE
Address Line 2:	STE 2100
Address Line 4:	SEATTLE, WASHINGTON 98101
ATTORNEY DOCKET NUMBER:	24-16-102A-P
NAME OF SUBMITTER:	LARRY SCHREITER
SIGNATURE:	/Larry Schreiter/
DATE SIGNED:	04/03/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 29	
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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT is made as of March 31, 2017, from Todd W. Largent, with an address at 125 Thunderbird Lane Ste 5 E, Peoria IL 61611 ("Assignor") to Homecare Products, Inc., a Washington corporation, with an address at 700 Milwaukee Avenue North, Algona, Washington 98001 ("Assignee").

WHEREAS, Assignor is the owner of the patent and patent applications known as the utility patent for which an Application is pending with the United States Patent and Trademark Office under Application No. 15204777, Attorney Docket No. 024-16-102A-P, July 7, 2016 (and incorporating United States Provisional Patent Application No. 62/189381, entitled "Lifting Device", and filed July 7, 2015); all as more specifically shown in the following twenty-six (26) pages set forth in Exhibit A attached hereto (the "Patent");

WHEREAS, Assignor and Assignee have entered into an Asset Purchase Agreement dated as of March 27, 2017, pursuant to which Assignor has agreed, inter alia, to grant and assign to Assignee all of Assignor's right title and interest in and to the Patent and Assignee desires to acquire the entire right, title and interest in and to the Patent;


NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

I. Assignor hereby irrevocably sells, transfers, conveys and assigns unto Assignee, its successors and assigns, Assignor's entire right, title and interest in and to the Application, the Patent and any continuations, divisions, reissues, or extensions of the Patent, including all past and future income, royalties, damages and payments due (including, rights to damages and payments for past, present or future infringements or misappropriations) with respect thereto, in each case, of Assignor in all countries relating to the Patent.

II. Assignor hereby authorizes the Commissioner of Patents and Trademarks of the United States and other empowered officials of the United States Patent and Trademark Office and/or the appropriate empowered officials other relevant jurisdictions outside the United States to record the transfer of the Patent to Assignee as assignee of Assignor's entire right, title and interest therein, in accordance with this Patent Assignment, and to issue to Assignee all letters patent which may issue with respect to the Patent.

IN WITNESS WHEREOF, Assignor has caused these presents to be duly executed in a manner appropriate thereto as of the date first above written.

Assignor:


TODD W. LARGENT

Remainder of page left blank; acknowledgement on following page!

ACKNOWLEDGMENT

State of ILLINOIS)
)ss:
County of WOODFORD)

I certify that I know or have satisfactory evidence that TODD W. LARGENT is the person who appeared before me, and said person acknowledged that he signed this Patent Assignment and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: MARCH 30, 2017

Rodney D Smith
Notary name printed: Rodney D Smith

Notary Public in and for the State of ILLINOIS

My appointment expires: 02-23-2020

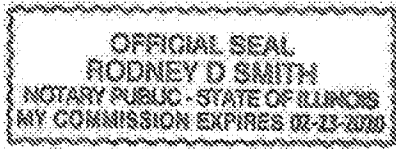


EXHIBIT A
PURCHASED PATENT

The term "Assigned Patent" shall mean the utility patent for which an Application is pending with the United States Patent and Trademark Office under Application No. 15204777, Attorney Docket No. 024-16-102A-P, July 7, 2016 (and incorporating United States Provisional Patent Application No. 62/189381, entitled "Lifting Device", and filed July 7, 2015); all as more specifically shown in the following twenty-six (26) pages:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P
		Application Number	
Title of Invention	LIFTING DEVICE		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

<input type="checkbox"/>	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
▼	Todd	W.	Largent	▼	
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	East Peoria	State/Province	IL	Country of Residence	US
Mailing Address of Inventor:					
Address 1		319 Old Germantown Rd.			
Address 2					
City	East Peoria	State/Province	IL		
Postal Code	61611	Country	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.			
Customer Number	125543		
Email Address	rshahberg@gmail.com	Add Email	Remove Email

Application Information:

Title of the Invention	LIFTING DEVICE		
Attorney Docket Number	024-16-102A-P	Small Entity Status Claimed	<input checked="" type="checkbox"/>
Application Type	Nonprovisional ▼		
Subject Matter	Utility ▼		
Total Number of Drawing Sheets (if any)	1	Suggested Figure for Publication (if any)	1
Filing By Reference :			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P
		Application Number	
Title of Invention	LIFTING DEVICE		

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

<input type="checkbox"/>	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
<input type="checkbox"/>	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer number will be used for the Representative Information during processing.			
Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	125543		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	▼	Remove
Application Number	Continuity Type	Prior Application Number
	Claims benefit of provisional ▼	62189381
		Filing Date (YYYY-MM-DD)
		2015-07-07
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.		Add

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P
		Application Number	
Title of Invention	LIFTING DEVICE		

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

<input type="checkbox"/>	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
<input type="checkbox"/>	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

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Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	125543		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	▼	<input type="button" value="Remove"/>
Application Number	Continuity Type	Prior Application Number
	Claims benefit of provisional	62189381
		Filing Date (YYYY-MM-DD)
		2015-07-07
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.		<input type="button" value="Add"/>

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P	
		Application Number		
Title of Invention	LIFTING DEVICE			
<p>This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)¹ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).</p>				
			<input type="button" value="Remove"/>	
Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Access Code ¹ (if applicable)	
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			<input type="button" value="Add"/>	

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

<p><input type="checkbox"/> This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.</p> <p>NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.</p>
--

Authorization to Permit Access:

<input checked="" type="checkbox"/> Authorization to Permit Access to the Instant Application by the Participating Offices
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P
		Application Number	
Title of Invention	LIFTING DEVICE		
<p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p>			

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant 1				Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
Clear				
<input type="radio"/> Assignee	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Joint Inventor		
<input type="radio"/> Person to whom the inventor is obligated to assign.		<input type="radio"/> Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
▼				
Name of the Deceased or Legally Incapacitated Inventor: <input type="text"/>				
If the Applicant is an Organization check here. <input type="checkbox"/>				
Prefix	Given Name	Middle Name	Family Name	Suffix
▼				▼

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	024-16-102A-P	
		Application Number		
Title of Invention	LIFTING DEVICE			
Mailing Address Information For Applicant:				
Address 1				
Address 2				
City			State/Province	
Country			Postal Code	
Phone Number			Fax Number	
Email Address				
Additional Applicant Data may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
				<input type="button" value="Remove"/>
If the Assignee or Non-Applicant Assignee is an Organization check here.				<input type="checkbox"/>
Prefix	Given Name	Middle Name	Family Name	Suffix
▼				▼
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City			State/Province	
Country			Postal Code	
Phone Number			Fax Number	
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	024-16-102A-P
	Application Number	
Title of Invention	LIFTING DEVICE	

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.					
Signature	/Robin S. Fahlberg/			Date (YYYY-MM-DD)	2016-07-07
First Name	Robin	Last Name	Fahlberg	Registration Number	50393
Additional Signature may be generated within this form by selecting the Add button.					<input type="button" value="Add"/>

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrates, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 216(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

CERTIFICATION OF MICRO ENTITY STATUS (GROSS INCOME BASIS)			
Application Number or Control Number (if applicable): Filed Herewith		Patent Number (if applicable):	
First Named Inventor: Todd W. Largent		Title of invention: LIFTING DEVICE	
<p>The applicant hereby certifies the following—</p> <p>(1) SMALL ENTITY REQUIREMENT – The applicant qualifies as a small entity as defined in 37 CFR 1.27.</p> <p>(2) APPLICATION FILING LIMIT – Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights, or is obligated to assign all ownership rights, as a result of the applicant's previous employment.</p> <p>(3) GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS – Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.</p> <p>(4) GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST" – Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO Web site at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.</p>			
SIGNATURE by an authorized party set forth in 37 CFR 1.33(b)			
Signature	/Robin S. Fahlberg/		
Name	Robin S. Fahlberg		
Date	07/07/2016	Telephone	309-243-1500
		Registration No.	50393
<input type="checkbox"/>	There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. The required additional certification form(s) signed by the other joint inventor(s) are included with this form.		

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**Title of
Invention

LIFTING DEVICE

As the below named inventor, I hereby declare that:

This declaration is directed to: The attached application, or
 United States application or PCT international application number _____
 filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Todd W. LargentDate (Optional): July 7, 2016Signature: /Todd W. Largent/

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT
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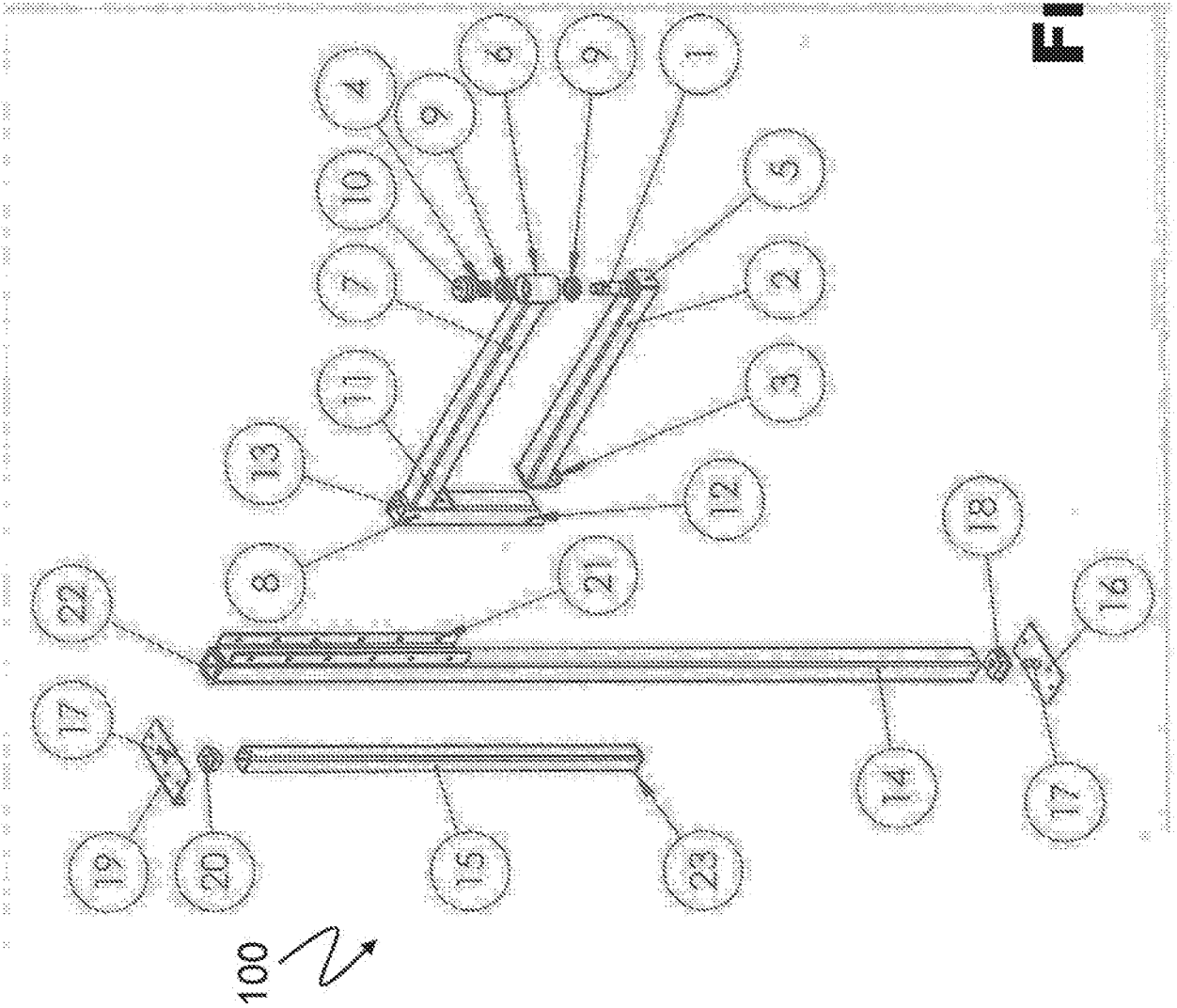


FIG. 1

**CERTIFICATION AND REQUEST
FOR EXTENDED MISSING PARTS PILOT PROGRAM (Page 1 of 2)**

First Named Inventor:	Todd W. Largent	Nonprovisional Application Number (if known):	
Title of Invention:	LIFTING DEVICE		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS TO PARTICIPATE IN THE EXTENDED MISSING PARTS PILOT PROGRAM FOR THE ABOVE-IDENTIFIED APPLICATION.

1. This certification and request is being filed with the nonprovisional application. The application is an original nonprovisional utility or plant application filed under 35 U.S.C. 111(a) within the duration of the pilot program. The following are excluded from the program: design applications, provisional applications, national stage applications, PCT international applications, reissue applications, and reexamination proceedings.
2. The application directly claims the benefit of a provisional application filed within the previous 12 months. Applicant is including the benefit claim to the provisional application in an application data sheet (see 37 CFR 1.78).
3. A nonpublication request is not included.
4. By filing this certification and request, applicant also acknowledges the following:
 - * A nonprovisional application must have a specification including at least one claim and a drawing(s) if necessary for an understanding of the invention to be entitled to a filing date (see 35 U.S.C. 111(a)) and thus be eligible for the pilot program.
 - * The nonprovisional application as originally filed must have a complete disclosure that complies with the enablement and written description requirements of 35 U.S.C. 112, first paragraph, which is sufficient to support the claims submitted on filing and any claims submitted later during prosecution. New matter cannot be added to an application after the filing date of the application. See 35 U.S.C. 132(a).
 - * Provisional rights to a reasonable royalty under 35 U.S.C. 154(d) may only be available if the claims that are published in the patent application publication are substantially identical to the patented claims that are infringed (if a patent is granted). Therefore, applicant may wish to consider the benefits of submitting a complete set of claims on filing of the nonprovisional application.
 - * Any foreign application (or international application) must still be filed within 12 months of the provisional application's filing date if applicant wishes to rely on the provisional application in the foreign application (or international application).
 - * Any patent term adjustment (PTA) accrued by applicant based on certain administrative delays by the USPTO is offset by a reduction for failing to reply to a notice by the USPTO within three months. See 37 CFR 1.704(b). Thus, if applicant replies to a notice to file missing parts more than three months after the mailing date of the notice, the additional time that applicant takes to reply to the notice will be treated as an offset to any positive PTA accrued by the applicant. In no event will a reduction under 37 CFR 1.704(b) reduce the 20-year patent term (if a patent is granted). For more information on patent term, see MPEP § 2701.
 - * A general authorization to charge fees, or a specific authorization to charge the search, examination, and/or excess claims fees to a deposit account, should not be submitted if participation in the pilot program is desired.
 - * Fees are subject to change and the fees that are due are the fees in effect at the time of fee payment. Therefore, if the search fee, examination fee, excess claims fees, and/or the surcharge (or any other fees) have increased after the mailing of a Notice to File Missing Parts, applicant will be required to pay the increased fee amounts. Applicants should consult the current fee schedule on the USPTO Web site before paying any fees that are due.

**CERTIFICATION AND REQUEST
FOR EXTENDED MISSING PARTS PILOT PROGRAM (Page 2 of 2)**

5. Applicant acknowledges that if the application is not in condition for publication, applicant will be required to place the application in condition for publication within two months (extendable under 37 CFR 1.136) of notification.

To be in condition for publication (37 CFR 1.211(c)), the application must contain the following:

- a. Basic filing fee;
- b. Executed inventor's oath or declaration in compliance with 37 CFR 1.63 or application data sheet containing the information in 37 CFR 1.63(b);
- c. Application size fee (if required);
- d. Specification in compliance with 37 CFR 1.52;
- e. Abstract in compliance with 37 CFR 1.72(b);
- f. Drawings in compliance with 37 CFR 1.84 (if required);
- g. Sequence listing in compliance with 37 CFR 1.821-1.825 (if applicable); and
- h. English language translation and statement in compliance with 37 CFR 1.52(d) (if required).

Signature <u>/Robin S. Fahlberg/</u>	Date <u>July 7, 2016</u>
Name (Print/Typed) <u>Robin S. Fahlberg</u>	Practitioner Registration Number <u>50393</u>
<i>Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below.</i>	
<input type="checkbox"/> *Total of <u>1</u> forms are submitted.	

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LIFTING DEVICE

PRIORITY

[0001] This application claims priority to and incorporates by reference in its entirety, United States Provisional Patent Application No. 62/189381, entitled
5 "Lifting Device", and filed July 7, 2015.

TECHNICAL FIELD

[0002] The present invention generally relates to lifting devices for moving disabled persons from one location to another.

SUMMARY OF THE INVENTION

10 [0003] This summary is provided to introduce a selection of concepts in a simplified form that are further described in the detailed description of the invention. This summary is not intended to identify key or essential inventive concepts of the claimed subject matter, nor is it intended for determining the scope of the claimed subject matter.

15 [0004] In one aspect of the present invention, a lifting device is configured to attach to a lifting head and sling to move a disabled person from one location to another. The lifting device includes a support column, a first arm, a second arm, and a friction brake. The support column includes an axis and is configured to attach between two stationary surfaces. The first arm includes a first arm first end
20 and a first arm second end, and is fixedly connected to the support column at the first arm first end at an angle between eighty-two degrees and ninety-eight degrees. The second arm includes a second arm first end and a second arm second end. The second arm first end is pivotally connected to the first arm second

end at a pivot joint. The second arm second end is configured to connect to the lifting head. The support column and first arm are configured to rotate around the axis, and the second arm is configured to pivot around the pivot joint such that the second arm second end rotates three hundred and sixty degrees around the axis.

5 The friction brake is configured to slow the rotation of the support column and first arm around the axis.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] Figure 1 is an exploded view of a lifting device, according to an embodiment of the invention.

10 DETAILED DESCRIPTION OF THE INVENTION

[0006] The following detailed description is of the best currently contemplated modes of carrying out the invention. The description is not to be taken in a limiting sense, but is made merely for the purpose of illustrating the general principles of the invention, since the scope of the invention is best defined by the appended
15 claims.

[0007] Various inventive features are described below that can each be used independently of one another or in combination with other features. However, any single inventive feature may not address any of the problems discussed above or may only address one of the problems discussed above. Further, one or more of
20 the problems discussed above may not be fully addressed by any of the features described below.

[0008] Referring to Fig. 1, a lifting device 100 is shown in exploded view. The lifting device 100 may provide a safe and convenient device for transferring and lifting individuals with physical disabilities. The lifting device 100 may comprise part
25 of a system that allows individuals to easily be transferred and lifted from one

position to another. A portable lift head and sling (not shown) may be connected to arm B 2 to make the moving and transferring easy. The caregiver's confidence may be increased and the risk for injury may be reduced. With a single joint and a 360 degree pivoting main shaft support with friction brake the lifting device 100
5 may act like an arm that can spin around 360 degrees. The ability to slow down the main shaft pivoting, with a brake, may provide more control. Providing a standard floor to wall or floor to ceiling mount system, may provide flexibility. The lifting device 100 may be used with a variety of ceiling heights including 8, 10 and even 12 feet. When wall mounted and not in use, the arm may be folded in half and may
10 lay it flat to the wall and out of the way. When mounted in the middle of the room from floor to ceiling the arm may be folded in half and positioned in any direction for compact storage. Different reaches with different weight limits may be used. Examples may include a weight capacity of 400lbs with a 4' reach and a 8' radius; and a weight capacity of 350lbs with a 5' reach and a 10' radius. Many different
15 types of portable liftheads and slings may be attached to the lifting device 100 to move a disabled person.

[0009] With some installations of the lifting device 100, the arm may be able to reach through a door opening so that an individual can be transferred from outside a doorway into a room and back out. Multiple lifting devices 100 may be placed in a
20 home or other building to form a system for moving a disabled person. A portable lift head may be moved from one lifting device 100 to another to move a disabled person between many locations in the home or building. The lifting device 100 may be mounted between a floor and a wall, or alternatively between a floor and a ceiling. Other stationary mounting surfaces may also be used.

25

[0010] Chart A below shows exemplary components of the lifting device 100 and the element number they are associated with in Fig. 1.

Chart A			
Item No.	Part Description	Exemplary Embodiment – Further Description	Quantity
1	Arm B Spindle – 02	1045 CR	1
2	Arm B Tube	2.5X2.5X.12 Square Tube	1
3	Hook Tab – 02	3/16 Steel Plate	1
4	Castle Nut		1
5	End Cap	3/16 Steel Plate	1
6	Hub B – 01	1020 DOM Tube	1
7	Arm A Tube – 02	2.5X2.5X.12 Square Tube	1
8	Hub A	2.5X2.5X.12 Square Tube	1
9	Tapered Roller Bearing		2
10	Dust Cap		1
11	Arm A Brace – 02	2.5X2.5X.12 Square Tube	1
12	Plain Hex Nut		6
13	Hub A Bushing	1020 DOM Tube	1
14	Main Column	2.5X2.5X.12 Square Tube	1
15	Telescoping Column	2.0X2.0X.12 Square Tube	1
16	Column Foot – 00	3/16 Steel Plate	1
17	Tube Pin	1018 CR	2
18	Bushing Flange	Delrin	1
19	Wall Bracket	3/16 Steel Plate	1
20	Bushing Flange	Delrin	1

21	Adjustment Channel	3/16 Steel Plate	1
22	Reducer Plate	3/16 Steel Plate	1
23	Guide Cap	3/16 Steel Plate	1
24	1-2-13 Flat Nose Set Screw		5

[0011] Chart B shows exemplary components of the lifting device with exemplary materials the components may be comprised of and exemplary strengths.

Chart B		
Component	Material Name	Yield Strength (ksi)
Arm-A Tube	ASTM A500	39
Arm-B Tube	ASTM A500	39
Main Column	ASTM A500	39
Arm-B Spindle	1045 CR	75
Hub-A	ASTM A500	39
Hub-B	ASTM A513 1020 Steel	60
Hook Tab/Other Steel Plates	A36 Steel Plate	36
Bushing Flange 225/250	Delrin	9.5

[0012] It should be understood, of course, that the foregoing relates to exemplary embodiments of the invention and that modifications may be made without departing from the spirit and scope of the invention as set forth in the following claims.

WE(I) CLAIM:

1. A lifting device, configured to attach to a lifting head and sling to move a disabled person from one location to another, comprising:

5 a support column with an axis configured to attach between two stationary surfaces;

a first arm with a first arm first end and a first arm second end fixedly connected to the support column at the first arm first end at an angle between eighty-two degrees and ninety-eight degrees;

10 a second arm with a second arm first end and a second arm second end, the second arm first end pivotally connected to the first arm second end at a pivot joint, the second arm second end configured to connect to the lifting head; and

a friction brake; and

15 wherein the support column and first arm are configured to rotate around the axis, and the second arm is configured to pivot around the pivot joint such that the second arm second end rotates three hundred and sixty degrees around the axis; and

wherein the friction brake is configured to slow the rotation of the support column and first arm around the axis.

20

ABSTRACT OF THE DISCLOSURE

A lifting device, configured to attach to a lifting head and sling to move a disabled person from one location to another including a support column, a first arm, a second arm, and a friction brake. The support column includes an axis and is configured to attach between two stationary surfaces. The first arm is fixedly
5 connected to the support column. The second arm is pivotally connected to the first arm at a pivot joint. The second arm is configured to connect to the lifting head. The support column and first arm are configured to rotate around the axis, and the second arm is configured to pivot around the pivot joint such that the second arm
10 second end rotates three hundred and sixty degrees around the axis.

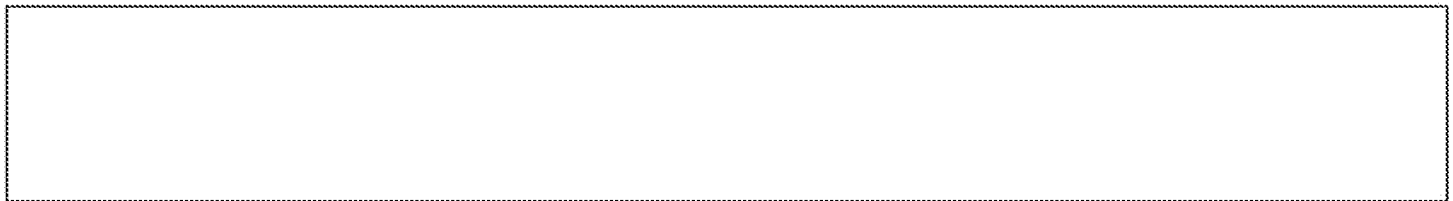
Electronic Acknowledgement Receipt

EFS ID:	36288216
Application Number:	15204777
International Application Number:	
Confirmation Number:	6122
Title of Invention:	Lifting Device
First Named Inventor/Applicant Name:	Todd W. Largent
Customer Number:	125543
Filer:	Robin S. Fahlberg
Filer Authorized By:	
Attorney Docket Number:	024-16-102A-P
Receipt Date:	07-JUL-2016
Filing Date:	
Time Stamp:	17:54:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
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	Claims		6	6	
	Abstract		7	7	

Warnings:

Information:

2	Drawings-only black and white line drawings	024_16_102A_P_Drawings.pdf	151127 0d4e50e571101a116408826ed1c8a05f13e002	no	1
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Warnings:

Information:

3	Application Data Sheet	024_16_102A_P_ADS.pdf	1560814 45e78e3ae18012c280e0d851e2162790c1148c5	no	7
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Warnings:

Information:

4	Certification of Micro Entity (Gross Income Basis)	024_16_102A_P_Cert_Micro_Entity.pdf	120293 981c103a49f12051a6c030207405c7790c0e0c08c	no	2
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Warnings:

Information:

5	Certification and Request for Missing Parts	024_16_102A_P_Extended_MP_Cert.pdf	292753 021052128915140118f55ad2095102c7970696	no	3
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PATENT

Warnings:					
Information:					
6	Oath or Declaration filed	024_16_102A_P_Declaration.pdf	165870 <small>78120791275740965806d23b04c277910a00148033</small>	no	2
Warnings:					
Information:					
7	Fee Worksheet (5806)	fee-info.pdf	29954 <small>78120791275740965806d23b04c277910a00148033</small>	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				2396480	
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