

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5828289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KRIS NACKAERTS	12/21/2016
MAKOTO HIRABUKI	01/09/2017
MARCELLUS GEISELMANN	06/13/2016
BRUCE ELLINGBOE	09/13/2019
HONG DUC NGUYEN	09/19/2019
TIM TAGA	09/24/2019
ROSS TICHOTA	03/20/2017
TADASHI IMAI	08/24/2017
ARMIN BRENDLE	06/13/2016
CHRISTOPH PABST	06/13/2016
ROLAND BISET	09/16/2019
WILFRIED MERTENS	12/27/2016
KLAUS-GÜNTER EBERLE	06/13/2016

RECEIVING PARTY DATA

Name:	TERUMO BCT, INC
Street Address:	10811 W COLLINS AVENUE
City:	LAKESWOOD
State/Country:	COLORADO
Postal Code:	80215
Name:	ANDREAS HETTICH GMBH & CO. KG
Street Address:	FÖHRENSTRASSE 12
City:	TUTTLINGEN
State/Country:	GERMANY
Postal Code:	78532

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16688350

CORRESPONDENCE DATA

Fax Number: (303)876-9119

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: 303-239-2362

Email: IPDepartment@terumobct.com

Correspondent Name: TERUMO BCT, INC INTELLECTUAL PROPERTY LA

Address Line 1: 10811 WEST COLLINS AVE

Address Line 4: LAKEWOOD, COLORADO 80215

NAME OF SUBMITTER:	JENNY NIKAIDO
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SIGNATURE:	/Jenny Nikaido/
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DATE SIGNED:	11/19/2019
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Total Attachments: 8

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ASSIGNMENT

WHEREAS, I/We (herein called "ASSIGNOR(S)"):

1. **NACKAERTS, Kris:** Leuven, BELGIUM
2. **HIRABUKI, Makoto:** Leuven, BELGIUM
3. **GEISELMANN, Marcellus:** Tuttlingen, GERMANY
4. **ELLINGBOE, Bruce:** Littleton, Colorado UNITED STATES OF AMERICA
5. **NGUYEN, Hong Duc:** Denver, Colorado UNITED STATES OF AMERICA
6. **TAGA, Tim:** Arvada, Colorado UNITED STATES OF AMERICA
7. **TICHOTA, Ross:** Englewood, Colorado UNITED STATES OF AMERICA
8. **IMAI Tadashi:** Shizuoka, JAPAN
9. **BRENDLE, Armin:** Muehlhausen-Ehingen, GERMANY
10. **PABST, Christoph:** Radolfzell, GERMANY
11. **BISET, Roland:** Hemiksem, BELGIUM
12. **MERTENS, Wilfried:** Limburg, BELGIUM
13. **EBERLE, Klaus-Günter:** Tuttlingen, GERMANY

am/are inventor(s) of the inventions entitled:

Composite Liquid Bag System Holder

for which the following patent application(s):

Country	Application Type	Application Serial No.	Filing Date
United States	US Provisional	62/118632	February 20, 2015
United States	US Regular Utility Application	15/048838	February 19, 2016
International Application Under The Patent Cooperation Treaty	PCT Utility Application	PCT/US2016/18777	February 19, 2016

was/were submitted or filed (collectively, the "LISTED APPLICATION(S)"):

AND WHEREAS,

Andreas Hettich GmbH & Co. KG: a corporation organized and existing under the laws of the Country of Germany, having a place of business at:

Föhrenstrasse 12

Tuttlingen, Germany 78532

and

Terumo BCT, Inc., an entity organized and existing under the laws of the State of Colorado, having a principal place of business at:

10811 West Collins Avenue

Lakewood, Colorado 80215

U.S.A.

(herein called "ASSIGNEES") are desirous of obtaining my/our entire right, title and interest in, to and

under the said invention and the said LISTED APPLICATION(S):

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S), have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their successors, legal representatives and assigns, my/our entire right, title and interest in, to and under the said invention, and said application(s) herein, including said LISTED APPLICATION(S) and all continuations and subsequent applications, including divisional applications thereof, and national phase applications as applicable: and all patents of the United States which may be granted thereon and all reissues and extensions: and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States: together with the right to file such applications and the right to claim for the same the priority of patent application(s) herein, including said LISTED APPLICATION(S) and applications thereof and therefrom, applications for industrial protection under the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable: and applications thereof and therefrom: and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof:










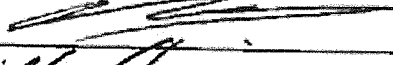

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument:

AND I/WE HEREBY covenant and agree that I/we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith:

AND I/WE HEREBY authorize the above-mentioned ASSIGNEES or their legal representative(s) to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:



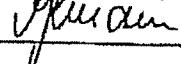
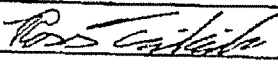



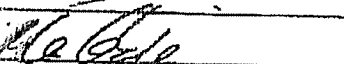
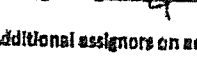
AND I/WE HEREBY further covenant and agree that I/we will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries:

IN TESTIMONY WHEREOF, I/we hereunto set my/our hands and seals the day and year set opposite my/our signatures.

Inventor Name	Signature	Date (MM-DD-YYYY)
NACKAERTS, Kris		12-21-2016
HIRABUKI, Makoto		01-09-2017
GEISELMANN, Marcellus		06-13-2016
ELLINGBOE, Bruce		9-13-2019
NGUYEN, Hong Duc		9/19/2019
TAGA, Tim		9/24/2019
TICHOTA, Ross		Mar 20, 2017
IMAI, Tadashi		
BRENDLE, Armin		06-13-2016
PABST, Christoph		06-13-2016
BISET, Roland		
MERTENS, Wilfried		12-21-2016
EBERLE, Klaus-Günter		06-13-2016

Additional assignors on additional sheets: NO

IN TESTIMONY WHEREOF, I/we hereunto set my/our hands and seals the day and year set opposite my/our signatures.


Inventor Name	Signature	Date (MM-DD-YYYY)
NACKAERTS, Kris		
HIRABUKI, Makoto		12-21-2016
GEISELMANN, Marcellus		01-09-2017
ELLINGBOE, Bruce		06-13-2016
NGUYEN, Hong Duc		
TAGA, Tim		
TICHOTA, Ross		
IMAI, Tadashi		Mar 20, 2017
BRENDLE, Armin		06-13-2016
PABST, Christoph		06-13-2016
BISET, Roland		16-09-2017
MERTENS, Wilfried		12-21-2016
EBERLE, Klaus-Günter		06-13-2016

Additional assignors on additional sheets: NO

発明考案届出書兼譲渡証書





提出日：2017年8月24日

知的財産部 殿

発明部門 所属長				管理部門			
/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /
							
				部門整理番号			

① 発明の名称	Composite liquid bag system and holder				
② 譲渡証書	上記発明をテルモ株式会社に譲渡したことに相違ありません。				
社内発明者	氏名/社員番号	印	発明譲渡日	部門	所属事業所の住所
	今井 正		2015年2月20日	TBCT I&D	静岡県富士宮市三園平818
	9801209		20年 月 日		
			20年 月 日		
※印鑑は木、石等の硬質材のもので朱肉を使用して捺印下さい。ネームスタンプ等は使用しないで下さい。					
③ 社外発明者 <input type="checkbox"/> なし (社内発明者のみで問題を生じない) <input checked="" type="checkbox"/> あり (以下の通り)					
氏名(フリガナ)		所属団体・企業		役職	住所
()					
()					
④ 共同出願人 <input type="checkbox"/> なし (テルモ単独出願で問題は生じない) <input type="checkbox"/> あり (以下の通り) 共同出願に関する契約： <input type="checkbox"/> あり, <input type="checkbox"/> なし 出願の同意： <input type="checkbox"/> あり, <input type="checkbox"/> なし					
氏名(フリガナ)又は名称		代表者		住所	
()					
()					
⑤ 確認事項 <input type="checkbox"/> 社外発表予定あり (予定日： 年 月 日) 事由： <input type="checkbox"/> 学会(予稿集発行), <input type="checkbox"/> 試作品展示, <input type="checkbox"/> その他 () <input type="checkbox"/> 社外との関係あり <input type="checkbox"/> 共同開発, <input type="checkbox"/> 委託研究, <input type="checkbox"/> 試作依頼, <input type="checkbox"/> 留学, <input type="checkbox"/> その他 () <input type="checkbox"/> 過去の共同研究や留学等を基礎とした発明である <input type="checkbox"/> <input type="checkbox"/> アイコン応募テーマである					
⑥ 自社関連製品(テーマ)：TACSI				⑦ 実施予定： <input type="checkbox"/> あり(年 月)	
⑧ 知財部員との事前相談： <input type="checkbox"/> あり(相談者知財 小林), <input type="checkbox"/> なし(原則として認めません)					

知的財産部記入欄

受付No.	2017-0215US01	入力	担当	課長	部長	奨励金 / /	
		/ /	17/10/2	/ /	/ /	有	
受付日	2017/10/4						

発明考案届出書 (2/2)

発明の名称	Composite liquid bag system and holder		
筆頭発明者	今井 正	提出日	2017年8月24日

評価項目【ビジネス】

1. 重要領域か 4 : 重要領域 (高) 3 : 重要領域 (低)
 2 : 一般領域 (高) 1 : 一般領域 (低)
2. 製品売上の規模 4 : 大 (10億円/年~) 3 : 中 (1億円/年~)
 2 : 小 (1億円/年未満) 1 : なし
3. 海外でのビジネス 4 : 10カ国以上 3 : 5カ国以上
 2 : 5カ国未満 1 : なし (または日本のみ)
4. 自社実施 4 : 実施中又は実施確実 3 : 将来実施の可能性有り
 2 : 実施可能性極小 1 : なし (または不明)
5. 他社抑止力 4 : 十分期待できる 3 : ある程度期待できる
 2 : 期待が小さい 1 : 期待できない (または不明)
6. 技術の寿命 4 : 長 (10年以上、将来技術) 3 : 中 (6-9年)
 2 : 短 (3-5年) 1 : 極短 (3年未満、単発採用)
7. 将来性、先進性 4 : 大 3 : 中
 2 : 小 1 : なし
8. ライセンス、クロスライセンス価値 4 : 高 3 : 中
 2 : 低 1 : なし
9. コストダウン効果 4 : 大 (5千万円/年~) 3 : 中 (1千万円/年~)
 2 : 小 (1千万円/年未満) 1 : なし

【外国出願希望】

希望する

国名 : 米国、 欧州、 その他 (具体的国名 :)

希望しない

【知財記入欄】 : 受付番号

	ビジネス評価点	特許評価点	合計点	判定	担当	課長
国内出願	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	/ /	/ /

【結果】

- 国内特許出願
 PCT出願
 実用新案

Invention Device Written Notice and Deed of Transfer (1/2)

Date submitted: Aug. 24, 2017

To: Intellectual Property Department

Invention Department Supervisors				Management Department			
/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /
Suzuki (17.8.24)							
Atsushi							
Department Reference No.				Subject No.			

① Name of Invention		Composite liquid bag system and holder					
In-house Inventors	Deed of Transfer The foregoing invention was indeed transferred to TERUMO KABUSHIKI KAISHA.						
	Name/Employee No.	Seal	Invention Transfer Date	Dept.	Address of Affiliated Office		
	Tadashi IMAI	Imai	Feb. 20, 2015	TBCT I&D	818 Misonodaira, Fujinomiya-shi, Shizuoka-ken		
	9801209		, 20				
			, 20				

*Stamp with a seal made of hard material such as wood or stone and use a red ink pad. Please do not use a name stamp or the like.

③ Outside Inventors			
<input type="checkbox"/> No (only in-house inventors, no problems caused) <input checked="" type="checkbox"/> Yes (as follows)			
Full Name (Pronunciation)	Affiliated Association/Enterprise	Position	Address
()			
()			

④ Joint Applicants		
<input type="checkbox"/> No (TERUMO applying alone, no problems caused) <input type="checkbox"/> Yes (as follows)		
Contract for joint application : <input type="checkbox"/> Yes , <input type="checkbox"/> No .		
Application consent : <input type="checkbox"/> Yes , <input type="checkbox"/> No .		
Full Name (Pronunciation) or Title	Representative	Address
()		
()		

⑤ Items for Confirmation	
<input type="checkbox"/> External presentation scheduled (scheduled date:) Reason : <input type="checkbox"/> Conference (proceedings published) , <input type="checkbox"/> Prototype display , <input type="checkbox"/> Other () <input type="checkbox"/> External relationship Consigned Prototype Overseas <input type="checkbox"/> Joint Dev. <input type="checkbox"/> Research , <input type="checkbox"/> request , <input type="checkbox"/> study <input type="checkbox"/> Other , () <input type="checkbox"/> Is an invention based on past joint research, overseas study, etc. <input type="checkbox"/> <input type="checkbox"/> Is an icon application subject <input type="checkbox"/> Implementation	

⑥ Related company product (subject): TACSI	⑦ scheduled : <input type="checkbox"/> Yes ()
--	--

⑧ Consultation beforehand with IP staff : <input type="checkbox"/> Yes (Consultant: IP Kobayashi), <input type="checkbox"/> No (typically not allowed)
--

For use by Intellectual Property Department	Input	Personnel	Section Manager	Dept. Manager	Incentive Pay / /	
	/ /	17/10/2	/ /	/ /	Y	N
Receipt No.	2017-02150501	Confirmed	Takemi	Confirmed		
Date Received	Oct. 4, 2017	(17.10.4)	KOBAYASHI	(17.10.2)	Uchida	

Invention Device Written Notice (2/2)

Name of Invention	Composite liquid bag system and holder		
Lead Inventor	Tadashi Imai	Date Submitted	Aug. 24, 2017

Items for Evaluation [Business]

1. Important area? 4 : Important area (high) 3 : Important area (low)
 2 : General area (high) 1 : General area (low)

2. Scale of product sales 4 : Large (¥1 billion/yr-) 3 : Medium (¥100 million/yr-)
 2 : Small (less than ¥100 million/yr) 1 : None

3. Business overseas 4 : 10 countries or more 3 : 5 countries or more
 2 : Fewer than 5 countries 1 : None (or only Japan)

4. Company implementation 4 : Implemented or will be implemented 3 : Possibility of implementation
 2 : Low possibility of implementation 1 : None (or unclear)

5. Deterrence to other companies 4 : Can be quite expected 3 : Can be expected to an extent
 2 : Expectations low 1 : Cannot be expected (or unclear)

6. Lifespan of technology 4 : Long (10 years or more, future technology)
 2 : Short (3 to 5 years) 3 : Medium (6 to 9 years)
 1 : Very short (less than 3 years, single application)

7. Promise, innovation 4 : Large 3 : Medium
 2 : Small 1 : None

8. License and cross license value 4 : High 3 : Medium
 2 : Low 1 : None

9. Cost reduction effect 4 : Large (¥5 million/yr-) 3 : Medium (¥1 million/yr-)
 2 : Small (less than ¥1 million/yr) 1 : None

[Desire for Foreign Application]

Desired

Country: US , EU , Other (specific countries: _____)

Not desired

[For use by IP]: Receipt No.

	Business eval. points	Patent eval. points	Total points	Decision	Personnel	Section Manager
Domestic application	□	□	□	□	/ /	/ /

[Results]

- Domestic patent application
- PCT application
- Utility model