Commissioner of Patents & Trademarks	07-07-200	Washington, D.C. 202
Form PTO-1595 <b>RE</b> I (Rev. 03/01)		U.S. PATENT AND TRADEMARK OFFICE
To the honorable Commissioner of Pate.	10278453	4 original document or copy thereof:
Name of Conveying Party(ies):	2. Name and Add	ress of Receiving Party(ies):
BRANDL, Matthias	Name:	Fresenius Medical Care Deutschland GMBH
HILGERS, Peter	Street Address:	Else-Kroener-Strasse 1
KUGELMANN, Franz	Street Address:	
MEISINGER, Matthias	City:	Bad Homburg
	State/Country:	Germany Postal Code: 61352
Additional name(s) of conveying party(les) attached?	Additional name(s) and ad	dresses attached? Yes No
3. Nature of Conveyance:		
Assignment	☐ Change of Na	ıme
Security Agreement	Other:	
☐ Merger	Execution Date:	06142004, 06142004, 06142004 & 06092004
Application Number(s) or Patent Number(s):		
Assignment is being filed together with new appli Application has been filed already and the application		execution date of application is : 06092004
<del></del>		
Application has been filed already and the application A. Patent Application Number(s):	ation filing date is:	mber(s):
Application has been filed already and the application A. Patent Application Number(s):  Additional num	ation filing date is:  B. Issued Patent Nu  bers attached?	mber(s):
Application has been filed already and the application A. Patent Application Number(s):  Additional num  Number (s):	ation filing date is:  B. Issued Patent Nu  bers attached?	mber(s):  Yes No  6. Total number of applica-
Application has been filed already and the application A. Patent Application Number(s):  Additional num  5. Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLC	ation filing date is:  B. Issued Patent Nu  bers attached? Y  nce	mber(s):  (es No  6. Total number of applications and patents involved:
Application has been filed already and the application A. Patent Application Number(s):  Additional num  5. Name and address of party to whom correspondence concerning this matter should be mailed:  CUSTOMER NUMBER 00136	ation filing date is:  B. Issued Patent Numbers attached?	mber(s):  Tes No  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41): \$40.00
Application has been filed already and the application A. Patent Application Number(s):  Additional num  Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-221	ation filing date is:  B. Issued Patent Numbers attached?	mber(s):  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41): \$40.00  Enclosed do 00.07  Any deficiencies in enclosed lees are authorized to be charged to Deposit
Application has been filed already and the application A. Patent Application Number(s):  Additional num  5. Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLOT 400 Seventh Street, N.W. Washington, D.C. 20004-221 Tel. 202-638-6666  Attorney Docket Number: P69766US0	ation filing date is:  B. Issued Patent Numbers attached?	mber(s):  (es No  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41):  Enclosed 00 00 07  Any deficiencies in rencosed rees are authorized to be charged to Deposit Account No. 06-1358.
Application has been filed already and the application A. Patent Application Number(s):  Additional num  5. Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLOT 400 Seventh Street, N.W. Washington, D.C. 20004-221 Tel. 202-638-6666  Attorney Docket Number: P69766US0  DO N  B. Statement and Signature:	ation filing date is:  B. Issued Patent Numbers attached?	res No  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41): \$40.00  Enclosed 00 00 07  Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.
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Application has been filed already and the application.  A. Patent Application Number(s):  Additional num  5. Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLO 400 Seventh Street, N.W. Washington, D.C. 20004-221 Tel. 202-638-6666  Attorney Docket Number: P69766US0  DO N  B. Statement and Signature:  To the best of my knowledge and belief, the foregone in the second	ation filing date is:  B. Issued Patent Numbers attached?	res No  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41): \$40.00  Enclosed 00 00 07  Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.
Application has been filed already and the application A. Patent Application Number(s):  Additional num  5. Name and address of party to whom corresponder concerning this matter should be mailed:  CUSTOMER NUMBER 00136  JACOBSON HOLMAN PLLOT 400 Seventh Street, N.W. Washington, D.C. 20004-221 Tel. 202-638-6666  Attorney Docket Number: P69766US0  DO N  6. Statement and Signature:  To the best of my knowledge and belief, the foregoing of the original document.	ation filing date is:  B. Issued Patent Numbers attached?	mber(s):  7. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41):  40.00  Enclosed  Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

#### UNITED STATES OF AMERICA - ASSIGNMENT Matthias BRANDL Insert Name(s) of Inventors (1)(2)Peter HILGERS Franz KUGELMANN (3)Matthias MEISINGER and (4) (5) In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH (6)(6) Insert Name of Assignee of Eise-Kroener-Strasse 1, 61352 Bad Homburg, Germany Insert Address of Assignee (7) (7) Germany (8) (8)Insert Legal Entity and State or (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its Country (e.g., a corporation or territories, dependencies and possessions, in the invention known as citizen of Japan) Insert <u>Identification</u> of Invention, (9) A welding boat for a pouch (9) such as Title, Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of Insert Date of signing of Said application having been executed/filed on \_\_\_\_\_\_ (and assigned (10)(10)Application, or filing date and Serial No. \_\_\_\_\_) Serial No., if known 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith. 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement. 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which 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. p witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Name of Inventor Matthias BRANDL (SEAL) signature typed name Name of Inventor Peter HILGERS (SEAL) signature typed name (SEAL) Name of Inventor Franz KUGELMANN

Date Name of Inventor (SEAL)

typed name signature

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If

typed name

typed name

Additional inventor's names and on a separate sheet.

Witness

Name of Inventor Matthias MEISINGER

not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witness

LAW OFFICES OF

# JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

JH 5/01 (Copying without deletions permitted)

PATENT REEL: 015524 FRAME: 0155

signature

signature

(SEAL)

#### ALLES OF BOOK **UNITED STATES OF AMERICA - ASSIGNMENT Matthias BRANDL** (1-5)Insert Name(s) of Inventors (1) (2)Peter HILGERS ...... Franz KUGELMANN (3)(4) Matthias MEISINGER and (5)In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH (6) Insert Name of Assignee (6)of Else-Kroener-Strasse 1, 61352 Bad Homburg, Germany (7) Insert Address of Assignee (7)Corporation of Germany (8)(8) Insert Legal Entity and State or (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its Country (e.g., a corporation or territories, dependencies and possessions, in the invention known as citizen of Japan) Insert Identification of Invention, (9) (9) A welding boat for a pouch..... such as Title, Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of Insert Date of signing of (10) Said application having been executed/filed on \_\_\_\_\_\_ (and assigned (10)Application, or filing date and Serial No. \_\_\_\_\_) Serial No., if known 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith. 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement. 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which 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. In witness whereof executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 🗸		Name of Inventor	Matthias BRANDL		(SEAL)
	1 1/6 0 0 11	,	typed name	/signatore	
Date 🗸	14.6.2004	Name of Inventor	Peter HILGERS	Wars	(SEAL)
			typed name	sign <i>a</i> ture	
Date 🗸		Name of Inventor	Franz KUGELMANN	/	(SEAL)
	/		typed name	signature	
Date 🗸		Name of Inventor	Matthias MEISINGER		(SEAL)
			typed name	signature	
Date		Name of Inventor			(SEAL)
,		•	typed name	signature	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Additional inventor's names and
on a separate sheet

Witness

Witness

LAW OFFICES OF

# JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004

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Date 🗸		Name of Inventor	Matthias BRANDL		(SEAL)
_	,		typed name	signature	
Date 🗸		Name of Inventor	Peter HILGERS	$\sim$ $\sim$ $\sim$	(SEAL)
_	·	<del> </del>	typed name	signature	
Date	14/06/04	Name of Inventor	Franz KUGELMANN	Mulau	(SEAL)
_	/		typed name	signature	
Date /		Name of Inventor	Matthias MEISINGER		(SEAL)
-			typed name	signature	
Date		Name of Inventor			(SEAL)
_		<del></del>	typed name	signature	
	This assignment should	d preferably be signed be	fore a United States Consul if sign	ed abroad, or a Notary Public if dome	stically signed. If
not, then	the execution by the in	ventor(s) should be witne	essed by at least two witnesses who	o sign here:	

LAW OFFICES OF

Witness

Witness

### JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY
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400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

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Additional inventor's names and

on a separate sheet.

### William Charles **UNITED STATES OF AMERICA - ASSIGNMENT** (1-5)Insert Name(s) of Inventors Matthias BRANDL ...... Peter HILGERS (2)Franz KUGELMANN (3)(4)Matthias MEISINGER and (5)In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH (6)Insert Name of Assignee (6)Insert Address of Assignee of Else-Kroener-Strasse 1, 61352 Bad Homburg, Germany (7)(7)Germany (8) Insert Legal Entity and State or (8) Corporation of (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its Country (e.g., a corporation or citizen of Japan) territories, dependencies and possessions, in the invention known as Insert Identification of Invention, (9)(9)A welding boat for a pouch such as Title, Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of Insert Date of signing of (10) Said application having been executed/filed on \_\_\_\_\_\_ (and assigned (10)Application, or filing date and Serial No. \_\_\_\_\_) Serial No., if known 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith. 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement. 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which 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. Ip witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 🔼		Name of Inventor	Matthias BRANDL	JV .		(SEAL)
			typed name		signature	
Date 🖊		Name of Inventor	Peter HILGERS			(SEAL)
		···	typed name		signature	-
Date /		Name of Inventor	Franz KUGELMANN			(SEAL)
			typed name		signature	
Date 🗸	09.06.2004	Name of Inventor	Matthias MEISINGER		signature (ciss = C	(SEAL)
			typed name		signature	-
Date		Name of Inventor		<u> </u>		(SEAL)
			typed name		signature	
			fore a United States Consul if sign		lotary Public if domesti	cally signed. If

not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Additional inventor's names and on a separate sheet.

Witness

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RECORDED: 06/30/2004