| FORM PTO-1619A Expires 06/30/99 | | 03-11-2002 | | U.S. Department of Commerce Patent and Trademark Office |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OMB 0651-0027 | 111 | | | PATENT |
| MRZ | | 102008980 | | |
| مامماع | RECORD | ATION FORM COV | /ER SHEET | |
| 22010 | | PATENTS ONL | Υ. | |
| ubmission Type | r of Patents and Trademar | ks: Please record the a | | ument(s) or copy(ies). |
| X New | | X Assignment | Security Agr | eement |
| Resubmission (N Document ID# | on-Recordation) | License | Change of Na | ame |
| Correction of PTO | Error Frame # | Merger | Other | |
| Corrective Docum | | (For Us | U.S. Government o ONLY by U.S. Government | t nt Agencies) |
| Reel # | Frame # | De | partmental File | Secret File |
| onveying Party(i | es) | X Mark if additional | names of conveying par | ties attached Execution Date Month Day Year |
| Name (line 1) Mue | ler, Friedrich | | | 12 29 2001 |
| Name (line 2) | | | | Execution Date |
| econd Party | | | | Month Day Year |
| T D = 7 = 2 | s. Sándor | - | | |
| Name (line 1) Dolgo | os, Sándor | | | 10 26 2001 |
| T D = 7 = 2 | os, Sándor | | ark if additional names o | |
| Name (line 1) Dolgo Name (line 2) Ecceiving Party | os, Sándor Braun Medizintechno | LJ | ark if additional names o | of receiving parties attached If document to be recorded is an assignment and the |
| Name (line 1) Dolgo Name (line 2) Receiving Party | | LJ | ark if additional names o | of receiving parties attached |
| Name (line 1) Dolgo Name (line 2) Peceiving Party Name (line 1) B. Name (line 2) | | LJ | ark if additional names o | of receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. |
| Name (line 1) Dolga Name (line 2) Receiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car | Braun Medizintechno | LJ | ark if additional names o | of receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from |
| Name (line 1) Dolgo Name (line 2) Receiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car ddress (line 2) | Braun Medizintechno I-Braun-Strasse 1 | logie GmbH | | If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Dolgo Name (line 2) Receiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car ddress (line 2) | Braun Medizintechno | LJ | 34. | of receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from |
| Name (line 1) Dolgo Name (line 2) eceiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car ddress (line 2) ddress (line 3) MeTs | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34. | If document to be recorded is an assignment and the receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Dolga Name (line 2) eceiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car ddress (line 2) ddress (line 3) Mels | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34, | If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Polyce Rame (line 2) Rame (line 1) Name (line 1) Name (line 2) Iddress (line 1) Car Iddress (line 3) Mels Romestic Represe | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34, | If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Name (line 2) Receiving Party Name (line 1) Name (line 2) ddress (line 1) ddress (line 2) ddress (line 3) MeTs Name Address (line 1) | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34, | If document to be recorded is an assignment and the receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Dolgo Name (line 2) Receiving Party Name (line 1) B. Name (line 2) ddress (line 1) Car ddress (line 2) ddress (line 3) MeTs Domestic Represe | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34, | If document to be recorded is an assignment and the receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |
| Name (line 1) Name (line 2) Receiving Party Name (line 1) Name (line 2) ddress (line 1) ddress (line 2) ddress (line 3) MeTs Name Address (line 1) Address (line 2) | Braun Medizintechno I-Braun-Strasse 1 ungen | Germany State/Country | 34, | If document to be recorded is an assignment and the receiving parties attached If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) |

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

PATENT

REEL: 12645 FRAME: 0847

| FORM PTO-1619B Expires 06/30/99 OMB 0651-0027 | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|--|--|--|
| Correspondent Name and Address | Area Code and Telephone Number | 703 642-5705 | | | |
| Name Vincent L. Ramik | | | | | |
| Address (line 1) DILLER, RAMIK & WIGHT | | | | | |
| Address (line 2) 7345 McWhorter Place | | | | | |
| Address (line 3) Suite 101 | | | | | |
| Address (line 4) Annandale, Virginia 22 | 2003 USA | | | | |
| Pages Enter the total number of pagincluding any attachments. | es of the attached conveyance doc | ument # 1 | | | |
| Application Number(s) or Patent Num | ` ' | if additional numbers attached | | | |
| Enter either the Patent Application Number or the Pa | | ent Number(s) | | | |
| Patent Application Number(s) 09/971,031 | | sit Number(s) | | | |
| | | | | | |
| | | | | | |
| If this document is being filed together with a <u>new</u> Paten signed by the first named executing inventor. | t Application, enter the date the patent applic | ation was Month Day Year | | | |
| Patent Cooperation Treaty (PCT) | PCT PCT | PCT | | | |
| Enter PCT application number only if a U.S. Application Number | | 200 | | | |
| has not been assigned. | PCT PCT | PCT | | | |
| Number of Properties Enter the total | al number of properties involved. | # 1 | | | |
| Fee Amount fee Amount fe | or Properties Listed (37 CFR 3.41): | \$ 40.00 | | | |
| | sed X Deposit Account | | | | |
| (Enter for payment by deposit account or if addit | tional fees can be charged to the account.) eposit Account Number: | # 50-1716 | | | |
| A | authorization to charge additional fees: | Yes X No | | | |
| Statement and Signature | P | | | | |
| To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. | | | | | |
| Vincent L. Ramik, Reg. 20,663 | // MON/ Linia | 2/5/02 | | | |
| Name of Person Signing | Signature | Date | | | |

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office

| Name (line 2) Execution Month Discontinuo 1) | ay Year C) 2001 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Name (line 1) Szamkó, Péter 26 10 Name (line 2) Execution Month Discourse (line 1) | D 2001 |
| Name (line 1) | l l |
| Name (line 1) | |
| Name (line 2) | ay Ital |
| Name (line 2) Execution Month Discontinuo | 1 |
| Name (line 1) | ay 1ear |
| Name (line 2) | |
| Receiving Party(ies) Mark if additional names of receiving parties attached | |
| Enter additional Receiving Party(ies) | |
| Name (line 1) If document to is an assignm | ent and the |
| Name (line 2) receiving part domiciled in t | the United pointment |
| Address (line 1) is attached. (must be a sep | parate |
| Address (line 2) document fro | 7 |
| Address (line 3) City State/Country Zip Code | |
| Name (line 1) | |
| Name (line 2) receiving part domicited in the States, an app | |
| | resentative is signation must document from |
| Address (line 2) Assignment) | |
| Address (line 3) City State/Country Zip Code | |
| Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). | |
| Patent Application Number(s) Patent Number(s) | |
| | |
| | |
| | |
| | |
| | |
| | |

PATENT

REEL: 12645 FRAME: 0849

ASSIGNMENT

In consideration of One Dollar (\$ 1.00) in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned [hereinafter (collectively) named "Assignor"] hereby assigns and transfers to

Name of Assignee: Place of Assignee's Incorporation: B. Braun Medizintechnologie GmbH Carl-Braun-Strasse 1, 34212 Melsungen, Germany

A German corporation (hereinafter named "Assignee"), its successors, legal representatives, and assigns the entire undivided right, title and interest in and to Assignor's invention and Assignor's application for Letters Patent of the United States, executed concurrently herewith unless otherwise indicated herein, entitled

Title of Application:

Extracorporeal blood treatment system

Priority: DE 100 49 393.9

and to Assignor's entire right, title and interest in any and all inventions, whether joint or sole, disclosed in said application for Letters Patent, and in any and all divisional or continuation or renewal applications that may be filed for United States Letters Patent for any and all of said inventions, and in and to any and all patents that may be granted on the foregoing applications and any reissue or extension thereof, and in any and all improvements thereon or relating thereto which the Assignor has invented or may hereafter invent.

The Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all of said Letters Patent to said Assignee.

For said consideration, the Assignor hereby agrees upon the request of said Assignee, its successors, legal representatives or assigns, to execute any and all United States divisional, continuation and renewal applications for said invention or improvements, and any and all necessary oaths, supplemental oaths or declarations or supplemental declarations or affidavit relating thereto, and any application for the reissue or extension of any United States Letters Patent that may be granted upon said application that said Assignee, its successors, legal representatives or assigns may deem necessary or expedient.

For the said consideration the Assignor further agrees upon the request of said Assignee, its successors, legal representatives or assigns, in the event of said application or any division thereof, or Letters Patent issued thereon or any reissue or application for the reissue thereof, becoming involved in interference, to cooperate to the best of the ability of the Assignor with said Assignee, its successors, legal representatives or assigns in the matters of preparing and executing the Preliminary Statement and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform upon such request, any and all affirmative acts necessary to obtain said Letters Patent and vest all rights therein hereby conveyed in said Assignee, its successors, legal representatives or assigns as fully and entirely as the same would have been held and enjoyed by the Assignor if this assignment and sale had not been made.

Assignor hereby binds himself, his heirs, legal representatives, administrators, and assigns properly to execute without further consideration, any and all applications, petitions, oaths, assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment and transfer hereby made, or intended or agreed to be made.

And for said consideration, the Assignor hereby assigns to said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in said invention or improvement for any and all foreign countries and agrees upon the request of said Assignee, its successors, legal representatives or assigns to execute any and all documents that shall be required of the Assignor to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee, its successors, legal representatives or assigns.

Witness, the hand and seal of the Assignor,

this 24.1 day of Dezember 2001

this 26th day of Colober 2001

this 26th day of October 2001

RECORDED: 02/20/2002

Friedrich MUELLER

Sándor DOLGOS

Péter SZMAKÓ

PATENT REEL: 12645 FRAME: 0850

Note: This paragraph to be crossed out if not applicable