03-11-2003 FORM PTO-1619A Patent and Trademark Office Expires 06/30/99 PATENT OMB 0651-0027 102386753 പ SHEET PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Submission Type Conveyance Type New New Security Agreement Resubmission (Non-Recordation License Change of Name Document ID # Other Correction of PTO Error Reel# Frame U.S. Government Corrective Document (For Use ONLY by U.S. Government Agencies) Reel# Frame ☐ Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached Month Day Year Name (line 1) Hans 07 22 2002 Name (line 2) FRICKEL Second Party **Execution Date** Month Dav Year Name (line 1) Hanshelmut 07 22 2002 Name (line 2) ITZEL Mark if additional names of receiving parties attached Receiving Party Name (line 1) MERCK PATENT GMBH If document to be recorded is an assignment and the Name (line 2) receiving party is not domiciled in the United States, an appointment of a domestic Address (line 1) Frankfurter Strasse 250 representative is attached. (Designation must be a separate document from Address (line 2) Assignment.) Address (line 3) Darmstadt Germany D-64293 City State/Country Domestic Representative Name and Address Enter for the first Receiving Party only. Millen, White, Zelano & Branigan, P.C.

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> PATENT REEL: 013817 FRAME: 0951

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Application Number(s) or Patent Number(s)	nal numbers attached
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH no	
Patent Application Number(s)	atent Number(s)

ASSIGNMENT

ATTY. DOCKET NO.: ME:RCK 2455

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

	METHOD AND DEVICE FOR THE ONLINE ANALYSIS OF SOLVENT MIXTURES				
	for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.				
	for which U.S. Application Serial No. 10/168, 578 for Letters Patent was filed in the U.S. Patent and Trademark Office on 24 JUNE 2002				
귯	for which an International Application was filed on 5 December 2060 PCT/EP00/12199 ,designating the United States.				
	AND WHEREAS				
	MERCK PATENT GESELLSCHAFT				
	MIT BESCHRÄNKTER HAFTUNG				
	Darmstadt, Germany				

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application(s), including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign),divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. 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 TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
FRICKEL, Hans	Hams Tristel	22.07.2002
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
ITZEL, Hanshelmut	Jaus Welmen Mich	22.07.2002
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
BORN, Joachim	Topdum Both	22.07.2002
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

PATENT REEL: 013817 FRAME: 0954

RECORDED: 10/16/2002