Form PTO-1595 (Rev. 03-05) OMB No. 0651-0027 (exp. 6/30/2005)	06 - 23 - 2005
6-16-05 PATENTS	S 103025741
To the Director of the U.S. Patent and Trademark Office: Please	
Name of conveying party(ies): Eva GABRIELSSON (04/22/2005) and Emad RAMZI (04/22/2005)	Name and address of receiving party(ies) Name: Astra Tech AB
Additional name(s) of conveying party(ies) attached?	Internal Address: Street Address:
Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name X Assignment	Aminogatan 1
Security Agreement Joint Research Agreement Government Interest Assignment	City: Mölndal
Executive Order 9424, Confirmatory License Other	State: Country: Sweden Zip: SE-431 21 Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s): A. Patent Application No.(s) 29/227,417 Additional numbers attached?	This document is being filed together with a new application. B. Patent No.(s) Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Joe McKinney Muncy BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 0104-0502PUS1 Street Address: 8110 Gatehouse Rd Suite 100 East P.O. Box 747	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title)
City: Falls Church State: VA Zip: 22040-0747 Phone Number: (703) 205-8026 Fax Number: (703) 205-8050 Email Address: mailroom@bskb.com	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name
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ASSIGNMENT

29/27/10

	Application No. 2-1122 1 71 7		Filed April 12, 2005	
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***			
	WHEREAS,	Eva GABRIELSSON	; Emad RAMZI	
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			·	
		,	,	
		e undersigned) has (have) invented ce	rtain new and useful improvements in	
nsert Title of Invention			HETIC	
	for which an application for undersigned (except in the co	Letters Patent of the United States o ase of a provisional application).	f America has been executed by the	
nsert Date f Signing of Application	onAPR	11. 27, 2005	; and	
nsert Name f Assignee	WHEREAS, AST	RA TECH AB		
nsert Address f Assignee	Aminogatan 1, SE	C-431 21 MÖLNDAL, SWEDEN	1	
CHECK BOX F APPROPRIATE	desirous of acquiring the en Letters Patent(s) that may be in any foreign countries.	representatives and assigns (hereinal ntire right, title and interest in and to granted therefor in the United States o	said invention and in and to any	
	paid, the receipt of which is undersigned has (have) sold transfer unto said Assignee America, its territories, depe any and all Letters Patent(s	isideration of the sum of Ten Dollars of shereby acknowledged, and other god, assigned and transferred, and by the full and exclusive right to the satendencies and possessions and the enternal by which may be granted therefor in a possessions, and if the box above is	nod and valuable consideration, the hese presents does sell, assign and id invention in the United States of the united states of the United States of the United States of America, its	
	and to any and all divisions term or terms for which the sa	, reissues, continuations, conversions me may be granted.	and extensions thereof for the full	

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PATENT REEL: 016701 FRAME: 0216

Attorney Docket No.	

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date 04-22-05 Name of Inventor Date 04-22-05 Name of Inventor (signature) Emad RAMZI Name of Inventor (signature) Name of Inventor (signature) Name of Inventor (signature) Name of Inventor (signature)

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June 2002