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PAIEN	Attorney's Docket No. 012778-138
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Name of conveying party(ies):     1. Hiroaki NIINO 2. Hiroaki AIZAWA     3. Minekazu MOMIYAMA 4. Hiroaki KATO	2. Name and address of receiving party(ies): Name: 1. Advics Co., Ltd. 2. Toyoda Koki Kabushiki Kaisha
Additional name(s) of conveying party(ies) attached?  Yes  No  3. Nature of conveyance:   Assignment  Merger   Security Agreement  Change of Name	Address:  1, 2-1, Showa-cho, Kariya city Aichi pref., 448-8688, Japan  2, 1, Asahi-machi 1-chome, Kariya city
Other  Execution Date: 1. 08-18-2004 2. 08-18-2004 3. 09-01-2004 4. 09-06-2004	Aichi pref., 448-8652, Japan  Additional name(s) & addresses attached?   Yes  No
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application</li> </ol>	n, the execution date of the application is:
A. Patent Application No.(s) 10/938,552	B. Patent No.(s)
Additional numbers attach	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved: 1
Name: Matthew L. Schneider	7. Total fee (37 CFR 3.41)\$ \$40.00 (8021)
Address: Burns, Doane, Swecker & Mathis, L.L.P. Customer Number 2 1 8 3 9	<ul> <li>☐ Enclosed</li> <li>☑ Authorized to be charged to deposit account</li> <li>☐ Credit card. Form PTO-2038 is attached.</li> </ul>
P.O. Box 1404 Alexandria, Virginia 22313-1404	8. Deposit account number:  02-4800 (Attach duplicate copy of this page if paying by deposit account.)
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00.011	Mathe   (class) June 15, 2005
Matthew L. Schneider 32,814  Name of Person Signing Reg. No.	Signature Date
Total number of pages including cover sheet, at	tachments, and documents:

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PATENT REEL: 016344 FRAME: 0476

Attorney's	Docket No.	
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## **ASSIGNMENT** (JOINT)

SASSIGN	MENT, I	by Hiro	aki Nilno and Hiroaki Aizawa and Minekazu Momiyar	ile dire i ilioniti i alle
ding at To Hekinan cit	yota city, ly, Alchi p	Aichi p oref., Ja	ref., Japan and Anjo city, Alchi pref., Japan and Chiry apan	ռս city, Alchi pref., Japan
	efored	to as "	the Assignors"), respectively, witnesseth:	
			signors have invented certain new and useful in	norovements in
			APPARATUS	
HICCE MC	1,0.400	,,,,,,,,	•••	
			or Letters Patent of the United States, which is a	<u> </u>
t forth in a (1)	u abbiic		sional application	
(1)	(a)	O	bearing Application No.	, and filed on
				•
	(b)	•	to be filed herewith; or	<del></del> -
(2)	_	_		· · · ·
(2)	(b) (a)	_	provisional application	
(2)	0	non-r		, and filed on
(2)	(a)	non-r	brovisional application bearing Application No; having an oath or declaration executed on eve	, and filed on n date herewith prior to

Page 1 of 3

Application No.	
Attorney's Docket No.	

WHEREAS, ADVICS CO., LTD. and TOYODA KOKI KABUSHIKI KAISHA
a corporation duly organized under and pursuant to the laws of <u>Japan</u>
and having a principal place of business at <u>2-1</u>, Showa-cho, Kariya city, Aichi pref., 448-8688, Japan and
1, Asahi-machi 1-chome, Kariya city, Aichi pref., 448-8652, Japan, respectively

(hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for applications on the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and applications of said Letters Patent or Patents, and all rights under the International Convention for the extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

Application No.	
Attorney's Docket No.	

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE August 18, 2004	Hiroahi riino
DATE August 18, 2014	Hiroaki Azawa
DATE September 1, 2004	minekoza monyama.
DATE September. 6, 2004	Hiroaki Kato
DATE	