			U.S. DEPARTMENT OF COMMERCI	
(Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P06/REV03			Patent and Trademark Offic	
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	ents and Trademarks:	Please record the	e attached original documents or copy thereof.	
1. Name of conveying party(ies): Hiromu GOTANDA,	9-03	2. Name and a Name: <u>Zaida</u>	ddress of receiving party(ies): anhouzin Kitakyushu Sangyou Gakujutsu Suishin Kikou ress:	
Additional names(s) of conveying party(ies)	🗋 Yes 🔀 No	-11-11-11-11-11-11-11-11-11-11-11-11-11	<u></u>	
3. Nature of conveyance:	anna an ann an Anna an			
X Assignment	Merger	Street Addre	ess: 2-1 Hibikino, Wakamatsu-ku, Kitakyusyu-shi	
Security Agreement Image: Comparison of the security agreement	Change of Name	Fukuoka, JAPA	N C	
Other		City:	State: ZIP:	
Execution Date:		Additional name	(s) & address(es) attached? 🛛 Yes 🔲 No	
If this document is being filed together A. Patent Application No.(s)	with a new application		ate of the application is: <u>May 4, 2003</u> ent No.(s)	
5. Name and address of party to whom or concerning document should be mailed			I No Internet Science Involved:	
5. Name and address of party to whom or	prrespondence	6. Total numbe	r of applications and patents involved:	
5. Name and address of party to whom or concerning document should be mailed	prrespondence	6. Total numbe 7. Total fee (37	r of applications and patents involved: 1 CFR 3.41):\$ 40.00 d - Any excess or insufficiency should be	
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 5. Name and address of party to whom a concerning document should be mailed Name: <u>Akiko Kobayashi</u> Internal Address:	prrespondence 1:	6. Total numbe 7. Total fee (37 X Enclosed credited Authorize	r of applications and patents involved: 1 CFR 3.41):\$ 40.00 d - Any excess or insufficiency should be or debited to deposit account ed to be charged to deposit account	
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 5. Name and address of party to whom or concerning document should be mailed Name: <u>Akiko Kobayashi</u> Internal Address:	prrespondence 1: ite 1360 PAZIP: 19103	 6. Total numbe 7. Total fee (37 Enclosed credited Authorize 8. Deposit accossion 502270 (Attach duplice) 	r of applications and patents involved: 1 CFR 3.41):\$ 40.00 d - Any excess or insufficiency should be or debited to deposit account ed to be charged to deposit account	
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Pag	e 2 of 3 Docket No.: Y03S007		
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CARD No. 0051 0007 (nom 5/04/0000)	TS ONLY Patent and Trademark Office		
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To the Honorable Commissioner of Patents and Trademarks	s: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Hiromu GOTANDA, Kazuyuki NOBU, Takeshi KOYA, Keiichi KANEDA, and Takaaki ISHIBASHI	2. Name and address of receiving party(ies): Name: Kabushikigaisha WAVECOM Internal Address: C		
Additional names(s) of conveying party(ies)	13. 13. 13.		
3. Nature of conveyance:			
Assignment Merger	Street Address: 1-17-25 Hakataeki Higashi, Hakata-ku,		
Security Agreement Change of Name	Fukuoka-shi, Fukuoka, JAPAN		
Other	City: State: ZIP:		
Execution Date:	- Additional name(s) & address(es) attached? 🔀 Yes 🗔 No		
Additional numbers atta	ached? 🔲 Yes 🖾 No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: Akiko Kobayashi	- 7. Total fee (37 CFR 3.41):\$ 40.00		
Internal Address:	Enclosed - Any excess or insufficiency should be credited or debited to deposit account		
	Authorized to be charged to deposit account		
Street Address: Eight Penn Center, Suite 1360	8. Deposit account number:		
1628 John F. Kennedy Boulevard	502270		
City: Philadelphia State: PA ZIP: 19103	(Attach duplicate copy of this page if paying by deposit account)		
	T USE THIS SPACE		
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document. Akiko Kobayashi	mation is true and correct and any attached copy is a true copy		
Name of Person Signing Total number of pages including cover s	Signature 5 Date		
Mail documents to be recorded wi Commissioner of Patents &	th required cover sheet information to: Trademarks, Box Assignments on, D.C. 20231		

PATENT REEL: 014069 FRAME: 0555

Pag	ge 3 of 3 Docket No.: Y03S007
RM PTO-1595 (Modified) RECORDATION F	FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE
(D.) - 0074 0007 (004 0000)	ITS ONLY Patent and Trademark Office
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To the Honorable Commissioner of Patents and Trademark	s: Please record the attached original documents or copy thereof.
. Name of conveying party(ies): Hiromu GOTANDA, Kazuyuki NOBU,	2. Name and address of receiving party(ies): Name: Kinki Daigaku
Takeshi KOYA, Keiichi KANEDA, and Takaaki ISHIBASHI	Internal Address:
Additional names(s) of conveying party(ies)	40°.
. Nature of conveyance:	
🛛 Assignment 🔲 Merger	Street Address: 3-4-1 Kowakae,
Security Agreement Change of Name	Higashiosaka-shi, Osaka, JAPAN
Other	City: State: ZIP:
Execution Date:	Additional name(s) & address(es) attached? 🛛 Yes 🗔 No
Application number(s) or patent numbers(s):	
If this document is being filed together with a new application	on, the execution date of the application is: May 4, 2003
A Patent Application No (s)	B Patent No (s)
A. Patent Application No.(s)	B. Patent No.(s)
A. Patent Application No.(s) Additional numbers att Name and address of party to whom correspondence concerning document should be mailed:	
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Additional numbers atternal Name and address of party to whom correspondence concerning document should be mailed: Name: Akiko Kobayashi Internal Address:	ached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41):

PATENT REEL: 014069 FRAME: 0556

ASSIGNMENT

(Y03S007)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

A recovering method of target speech based on split spectrum using sound sources' locational information

sell and assign to

- 1. ZAIDANHOUZIN KITAKYUSHU SANGYOU GAKUJUTSU SUISHIN KIKOU, a Japanese non-profit organization, having an address at 2-1 Hibikino, wakamatsu-ku, kitakyushu-shi, Fukuoka, JAPAN.
- 2. KABUSHIKIGAISHA WAVECOM, a Japanese corporation, having an address at 1-17-25 Hakataeki Higashi, Hakata-ku, Fukuoka-shi, Fukuoka, JAPAN.
- 3. KINKI DAIGAKU, a Japanese University, having an address at 3-4-1 Kowakae, Higashiosaka-shi, Osaka, JAPAN.

Their successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[X] executed concurrently herewith;			
	[] executed on		;	
	[] Application No.	, filed	;	

and in and to all applications for patent and patens for invention, in all countries of the world, including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee. I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

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Date 5/1/2003

Hiromu GOTANDA

PATENT REEL: 014069 FRAME: 0557

Page 2 of 2

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Country of Citizenship:

Date 5/4/2003

K- nota

kazuyuki NOBU

[3rd Inventor] Address: c/o Kinki Daigaku Kyushu Kougakubu, 11-6 Kayanomori, Iizuka-shi, Fukuoka, JAPAN. Country of Citizenship

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Date 5/1/2003

- 7 koyû

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Date 5/1/2003

Uhreder Keiichi KANEDA

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5/1/2003 Date

J. Ishilashi

Takaaki ISHIBASHI