n4-12-2000 TION FORM COVER SHEE FORM F PATENTS ONLY ttorney Docket No. 04173,0411 1-3 To the Honoral 317366 arks: Please record to. ATTN. BOX ASSIGNMENTS Name of conveying party: Name and address of receiving party: Masahiro NOMURA, Chihiro IWAMOTO and Shun-ichiro TANAKA (1) JAPAN SCIENCE AND TECHNOLOGY CORPORATION Name: (2) KABUSHIKI KAISHA TOSHIBA Additional name(s) of conveying party(ies) attached? □ Yes ☑ No Internal Address: 3 Street Address: Nature of conveyance: (1) 1-8, Hon-cho 4-chome, Kawaguchi-shi, Saitama 332-0012 Japan (2) 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 210-0913 Japan City: Zip Code: State: Assignment Merger Security Change of Name \Box Agreement Other Additional name(s) & Address(es) attached? \Box **Execution Date:** March 6, 2000 ☐ Yes Ø No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: March 6, 2000 A. Patent Application Number: B. Patent Number: Additional numbers attached? □ Yes 図 No 5. Name and address of party to whom correspondence Total number of applications and registrations involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40 Mr. Ernest F. Chapman Name: 03/21/2000 WCLAYBROFOCO CONTROL CONTROL CONTROL WITH THE WORLD Enclosed (Please charge deficiency to deposit account) Internal Address: & DUNNER, L 02 FC:581 Authorized to be charged to deposit account Street Address: 1300 I Street, N.W. 8. City: Washington Deposit account number: 06-0916 20005-3315 State: DC Zip: Statement and signature. 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. Ernest F. Chapman March 17, 2000 Date Signature

Total number of pages including cover sheet, attachments and documents:

ASSIGNMENT

WHEREAS INVe, the below named inventor(s), [herein BRAZED STRUCTURE AND METALLIZED		an invention entitled.
	(Title of Invention)	
for which I/WE executed an application for United State Patent on, 19 (Serial	es Letters Patent concurrently herewith or filed No); and	an application for United States Letters
WHEREAS, JAPAN SCIENCE AND TECHNOLOGY	CORPORATION, and KABUSHIKI KAI	SHA TOSHIBA
a corporation of Japan, and a corporation	(Full Name of Assignee) of Japan, respectively	
a corporation or	(Country of Incorporation)	
whose post office address is 1-8, Hon-cho 4-	chome, Kawaguchi-shi, Saitama 3	32-0012 Japan, and
72, Horikawa-cho, Saiwai-ku, Kawas	aki-shi, Kanagawa 210-0913 Japa	n, respectively.
(hereinafter referred to as Assignee), is desirous of sec States Letters Patent on this invention and the Letters		this invention, the application for United
NOW THEREFORE, be it known that, for good and valuas assignor(s), have sold, assigned, transferred, and s successors and assigns, my/our entire right, title, and it thereof, and all Letters Patent of the United States whirequest the Commissioner of Patents and Trademark successors and assigns, in accordance with the terms AND, I/WE HEREBY further covenant and agree that I/A assigns, any facts known to me/us respecting this invide so, execute and deliver all papers that may be necesand assigns, execute all divisional, continuation, and reassignee, its successors and assigns, to obtain and enfithat any expense incident to the execution of such pa	set over, and do hereby sell, assign, transfer, as interest in and to this invention and this application may be granted thereon, and all reissues the sof the United States to issue all Letters Pass of this Assignment; We will, without further consideration, communication and testify in any legal proceeding, signers are or desirable to perfect the title to this invesses applications, make all rightful oaths and force proper patent protection for this invention is	nd set over unto the assignee, its lawfullion, and all divisions, and continuations nereof; and I/WE hereby authorize and itent for this invention to assignee, its icate with assignee, its successors and neal lawful papers when called upon to rention in said assignee, its successors generally do everything possible to aid in the United States, it being understood
AND, I/WE HEREBY authorize and request the attorne to insert here in parentheses (Application Noapplication when known. IN TESTIMONY WHEREOF, I/We have hereunto set on the control of the control	, filed) the filing	d Power of Attorney in this application, g date and application number of said
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Masahiro NOMURA	ASSIGNOR'S SIGNATURE MUSICALIZATION ACTUALITY	March 6, 2000
ADDRESS 3-16-25-104, Nishioi, Shinagawa-ku,		CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Chihiro IWAMOTO	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2-3-16-910, Shinden, Adachi-ku, Tokyo 123-0865 Japan		Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Shun-ichiro TANAKA		
ADDRESS 1-35-12, Hongo, Seya-ku, Yokohama-s	shi, Kanagawa 246-0015 Japan	CITIZENSHIP Japan
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

FHFGD March 99

ASSIGNMENT

WHEREAS I/We, the below named inventor(s),	[hereinafter referred to as Assignor(s)], have made	an invention entitled
BRAZED STRUCTURE AND METALLIZE		
	(Title of Invention)	
for which I/WE executed an application for Unite Patent on, 19 (d States Letters Patent concurrently herewith or filed Serial No); and	an application for United States Letters
WHEREAS. JAPAN SCIENCE AND TE	CHNOLOGY CORPORATION, and KABUSHIKI	KAISHA TOSHIBA
a corporation of Japan, and a corpor	(Full Name of Assignee) ation of Japan, respectively,	200112011
	(Country of Incorporation)	
whose post office address is 1-8, Hon-c	ho 4-chome, Kawaguchi-shi, Saitama	332-0012 Japan, and
	asaki-shi, Kanagawa 210-0913 Japan,	
(hereinafter referred to as Assignee), is desirous States Letters Patent on this invention and the I	of securing the entire right, title, and interest in and to Letters Patent to be issued upon this application;	this invention, the application for United
as assignor(s), have sold, assigned, transferred, successors and assigns, my/our entire right, title thereof, and all Letters Patent of the United Stat	nd valuable consideration the receipt of which from as and set over, and do hereby sell, assign, transfer, an , and interest in and to this invention and this applicat es which may be granted thereon, and all reissues the emarks of the United States to issue all Letters Pa terms of this Assignment;	nd set over unto the assignee, its lawful tion, and all divisions, and continuations hereof: and I/WE hereby authorize and
assigns, any facts known to me/us respecting the do so, execute and deliver all papers that may be and assigns, execute all divisional, continuation, assignee, its successors and assigns, to obtain a	that I/We will, without further consideration, communistic invention and testify in any legal proceeding, signer necessary or desirable to perfect the title to this invention and reissue applications, make all rightful oaths and not enforce proper patent protection for this invention in the papers shall be borne by the assignee, its succession.	n all lawful papers when called upon to rention in said assignee, its successors generally do everything possible to aid in the United States, it being understood
AND, I/WE HEREBY authorize and request the a to insert here in parentheses (Application No application when known.	attorneys I/we have empowered in the Declaration an, filed) the filing	d Power of Attorney in this application, g date and application number of said
IN TESTIMONY WHEREOF, I/We have hereunt	o set our hand(s).	
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Masahiro NOMURA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3-16-25-104, Nishioi, Shinagawa	-ku, Tokyo 140-0015 Japan	CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Chihiro IWAMOTO	ASSIGNOR'S SIGNATURE	DATE March 6, 2000
ADDRESS 2-3-16-910, Shinden, Adachi-ku, Tokyo 123-0865 Japan		CITIZENSHIP Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Shun-ichiro TANAKA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1-35-12, Hongo, Seya-ku, Yokoha	ma-shi, Kanagawa 246-0015 Japan	CITIZENSHIP Japan
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

> FHFGD March 99

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [here		ention entitled:
BRAZED STRUCTURE AND METALLIZED STRU	UCTURE (Title of Invention)	
for which I/WE executed an application for United State Patent on, 19 (Serial	es Letters Patent concurrently herewith or filed an app	lication for United States Letters
		SHA TOSHIBA
WHEREAS, JAPAN SCIENCE AND TECHNO a corporation of Japan, and a corporation	(Full Name of Assignee)	
a corporation of	(Country of Incorporation)	
whose post office address is 1-8, Hon-cho 4	-chome, Kawaguchi-shi, Saitama 332-0	012 Japan, and
72, Horikawa-cho, Saiwai-ku, Kawasak	i-shi, Kanagawa 210-0913 Japan, resp	ectively,
(hereinafter referred to as Assignee), is desirous of sec States Letters Patent on this invention and the Letters	curing the entire right, title, and interest in and to this inv s Patent to be issued upon this application;	ention, the application for United
NOW THEREFORE, be it known that, for good and values assignor(s), have sold, assigned, transferred, and successors and assigns, my/our entire right, title, and it thereof, and all Letters Patent of the United States who request the Commissioner of Patents and Trademark successors and assigns, in accordance with the terms AND, IWE HEREBY further covenant and agree that I/l assigns, any facts known to me/us respecting this invides of execute and deliver all papers that may be necessard assigns, execute all divisional, continuation, and reassignee, its successors and assigns, to obtain and entitled any expense incident to the execution of such pa	set over, and do hereby sell, assign, transfer, and set of interest in and to this invention and this application, and ich may be granted thereon, and all reissues thereof; its of the United States to issue all Letters Patent for sof this Assignment; We will, without further consideration, communicate with ention and testify in any legal proceeding, sign all law essary or desirable to perfect the title to this invention eissue applications, make all rightful oaths and generatione proper patent protection for this invention in the University in the University of the proper patent protection for this invention in the University in the University of the proper patent protection for this invention in the University in the University of the proper patent protection for this invention in the University in the University of the property of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for the protection for this invention in the University of the protection for this invention in the University of the protection for this invention in the University of the protection for the pr	ever unto the assignee, its lawful dall divisions, and continuations and I/WE hereby authorize and rethis invention to assignee, its lith assignee, its successors and afful papers when called upon to in said assignee, its successors ally do everything possible to aid nited States, it being understood
AND, I/WE HEREBY authorize and request the attorne to insert here in parentheses (Application No. application when known. IN TESTIMONY WHEREOF, I/We have hereunto set	eys I/we have empowered in the Declaration and Powered in the Declaration and Powered in the filing date and the filing date are set of the filing date and the filing date are set of the filing date and the filing date are set of the filing date and the filing date are set of the filing date.	er of Attorney in this application,
1 FULL NAME OF SOLE OR FIRST ASSIGNOR Masahiro NOMURA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3-16-25-104, Nishioi, Shinagawa-ku,	Tokyo 140-0015 Japan	CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Chihiro IWAMOTO		
ADDRESS 2-3-16-910, Shinden, Adachi-ku, Tokyo 123-0865 Japan		CITIZENSHIP Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Shun-ichiro TANAKA	>1/2 / January	March 6, 2000
ADDRESS Valence Valence	hi Kanagawa 246-0015 Janan	CITIZENSHIP Japan
1-35-12, Hongo, Seya-ku, Yokohama-s	ASSIGNOR'S SIGNATURE	DATE
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY		
ADDRESS		CITIZENSHIP

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1 FHFGD March 99

RECORDED: 03/17/2000