Docket No.: 12049-0016

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To the Director of the United States Patent a	and Trademark Office: Plea	se record the	attached docur	ments.		<u>7</u> 4	
Name of conveying party(ies):		2. Name an	d address of re	ceiving party(ies)	:	10/82927	
1 – Hiroyuki SEMBA 2 – Masaaki IGARASHI		Name: Address:		etal Industries, I na 4-chome, Chu saka 541-0041		10/	
Additional name(s) of conveying parties attached? ☐Yes ☑No		Additional name(s) & addresses attached? ☐Yes ☑No					
3. Nature of conveyance:							
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Execution date(s): 1- April 8, 2004 2 – Ap	oril 13, 2004						
Application numbers or patent numbers: If this document is being filed together with a new	10/87 application, the execution dat		ation is: 1-April 8,	2004 2- April	13, 2004		
A. Patent Application:		B. Patent N	lo.(s)				
Additional Numbers attached? □Yes ☑N	lo						
5. Name and address of party to whom correspondence concerning		Total number of applications and patents involved: 1					
document should be mailed:	ocument should be mailed:		7. Total fee (37 C.F.R. 3.41) \$ 40.00				
Name: Christopher W. Brody Address: CLARK & BRODY Suite 600		Attached in Check No. 442 Authorized to be charged to Deposit Account.					
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Christopher W. Brody	33,613	istophe	W. Bus	dy	April 22, 2	2004	
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PATENT REEL: 015261 FRAME: 0351

ASSIGNMENT

In consideration of the premises and other good and valuable which is hereby acknowledged, the undersigned,	consideration paid, the receipt and sufficiency of
(1) <u>Hiroyuki SEMBA</u> (2) <u>Masaaki IGARASHI</u>	
who have made a certain new and useful invention, hereby sell,	assign, and transfer unto
SUMITOMO METAL INDUSTRIES, LTD.	
5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, O	saka 541-0041 Japan
its successors and assigns (hereinafter designated "ASSIGN United States of America as defined in 35 U.S.C.100 in the inver-	
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(a) for which an application for United States Letters Patent was and identified by United States Serial No; or	filed on April 22, 2004
(b) for which an application for United States Letters Patent was	executed on
and the undersigned hereby authorize and request the United Sissue any and all United States Letters Patent which may be grareissues, substitutes, renewals, continuations, or continuations-in International Convention for the Protection of Industrial Productional Conventions and legal representatives; the said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree to transfer a like intercapplication for and obtaining original, divisional, substitute, renewatended Letters Patent of the United States, upon request of the representatives, and without further remuneration, in and to anothereon, growing out of or related to the said invention; and the successors, assigns and legal representatives, deemed essential to invention hereby transferred. I(We) hereby grant the following law firm the power to it which may be necessary or desirable in order to comply with the recordation of this document; Clark & Brod	anted therefor and any and all extensions, divisions, in-part thereof, and the right to all benefits under the operty to the said ASSIGNEE, for its interest as ne undersigned agree that the attorneys of record in est, and to render all necessary assistance in making ewed, continuation, continuation-in-part, reissued or a said ASSIGNEE, its successors, assigns and legally improvements, and applications for patent based to execute any papers by the said ASSIGNEE, its of ASSIGNEE's full protection and title in and to the dinsert on this Assignment any further identification are rules of the U.S. Patent and Trademark Office for
SIGNED on the date(s) indicated aside my(our) signature(s):	
INVENTORS	DATE SIGNED
1) Name: Hiroyuki SEMBA	april J. 2004
2) Musachi Ugorashi Name: Masaaki IGARASHI	April 13, 2004

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RECORDED: 04/22/2004