#### PATENT ASSIGNMENT

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Kiyoshi KAGEHIRA	11/20/2009
Tatsunori SUGIMOTO	11/20/2009

#### **RECEIVING PARTY DATA**

Name:	MITSUBISHI-HITACHI METALS MACHINERY, INC.		
Street Address:	34-6, Shiba 5-chome, Minato-ku		
City:	Tokyo		
State/Country:	JAPAN		

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	12603923	

### CORRESPONDENCE DATA

Fax Number: (703)205-8050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-205-8090

Email: yolanda.askew-sampson@bskb.com

Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Address Line 1: P.O. BOX 747

Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER: 0965-0564PUS1

NAME OF SUBMITTER: Charles Gorenstein

Total Attachments: 2

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# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ATTORNEY DOCKET NO. 0965-0564 PUS1

# **ASSIGNMENT**

	•	Application No.	12/603,923	Filed	October 2009	22 <b>,</b> 
Insert Name(s		WHEREAS,_	Kiyoshi KAGEHIRA			
of Inventor(s)			Tátšunori SUGIMOTO			
T		(hereinafter designated	as the undersigned) has (have) invented certain	n new and useful improv	ements in	
Insert Title of Invention	-	TWIN-ROLL CON	TINUOUS CASTING MACHINE AND ROL	LING EQUIPMENT		
Insert Date of Signing of		(except in the case of a p	,		_	
Application  Insert Name of Assignee	<b>→</b>	onWHEREAS,	2 20, 2009  MITSUBISHI-HITACHI META	LS MACHINERY,	inc.	nd
	-		·		-	
Insert Address of Assignee	<b>→</b> 0	of34-6, Sh	iba 5-chome, Minato-ku, To	okyo, Japan		
CHECK BOX IF APPROPRIATE	n	cquiring the entire right in any be granted thereform any and all foreign		and in and to any Letter	rs Patent(s) th	ıat
		NOW, IMERER	ORE, in consideration of the sum of Ten Dolla	rs (\$10.00) to the under	rsigned in har	ıd

NOW, I HEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

PATENT REEL: 023769 FRAME: 0419 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	November 20, 2009	Name of Inventor		Kiyoshi KAGEI	5美
Date	November 20, 20,09			杉本立	<b></b> 則
Date		Name of Inventor		Tatsunori SUC	TMO.LO
Date	,	Name of Inventor			
Date	· · · · · · · · · · · · · · · · · · ·	Name of Inventor			
Date			(signature)		
			(signature)		

PATENT REEL: 023769 FRAME: 0420

**RECORDED: 01/12/2010**