

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kouichi Arai</td><td>04/11/2006</td></tr><tr><td>Kazuhiko Kodama</td><td>04/10/2006</td></tr></tbody></table>	Name	Execution Date	Kouichi Arai	04/11/2006	Kazuhiko Kodama	04/10/2006	
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Kouichi Arai	04/11/2006						
Kazuhiko Kodama	04/10/2006						
RECEIVING PARTY DATA							
Name:	Mitutoyo Corporation						
Street Address:	20-1, Sakado 1-chome						
Internal Address:	Takatsu-ku						
City:	Kawasaki-shi, Kanagawa						
State/Country:	JAPAN						
Postal Code:	213-0012						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11419894</td></tr></tbody></table>	Property Type	Number	Application Number:	11419894			
Property Type	Number						
Application Number:	11419894						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	David E. Spaw						
Total Attachments: 2 source=16679#page1.tif source=16679#page2.tif							

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PATENT

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REEL: 017664 FRAME: 0833

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

Method and apparatus for generating origin signal of encoder

that are the subject of an application for a U.S. Patent, (Application

No. 11/419894,

filed 05/23/2006), which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No. MAT-16679.

WHEREAS, Mitutoyo Corporation, a corporation of Japan, and having a place of business at 20-1, Sakado 1-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012, Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert on this assignment any identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole or joint): Kouichi ARAI

Signature: Kouichi Arai

Today's Date: April 11, 2006

Witness: Hidenori Imesaka

Witness: Kuji Ueda

(2) Inventor Name (joint): Kazuhiko KODAMA

Signature: Kazuhiko Kodama

Today's Date: April 10, 2006

Witness: Hidenori Imesaka

Witness: Kuji Ueda

(3) Inventor Name (joint): _____

Signature: _____

Today's Date: _____

Witness: _____

Witness: _____

(4) Inventor Name (joint): _____

Signature: _____

Today's Date: _____