



01-28-2002



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PATENTS ONLY

Our Ref.: 2333-22

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

1.73.02

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): CeCap AB</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: December 14, 2001</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: MKS Instruments Internal Address: Street Address: Six Shattuk Road City: Andover State/Country: Maryland (USA) Zip: 01810</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				
<p>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 is:</p> <table border="0"><tr><td>A. Patent Application No(s). (1) 09/377,832 (2) _____ (3) _____</td><td>B. Patent No(s). (1) _____ (2) _____ (3) _____</td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				A. Patent Application No(s). (1) 09/377,832 (2) _____ (3) _____	B. Patent No(s). (1) _____ (2) _____ (3) _____	
A. Patent Application No(s). (1) 09/377,832 (2) _____ (3) _____	B. Patent No(s). (1) _____ (2) _____ (3) _____					
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Robert A. Molan Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8th Floor City: Arlington State: VA Zip: 22201</p>		<p>6. Total number of applications & patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>				
<p style="text-align: center;">DO NOT USE THIS SPACE</p>						
<p>9. Statements 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.</p> <table border="0"><tr><td>Robert A. Molan Name of Person Signing Reg. No. 29,834</td><td> Signature</td><td>January 23, 2002 Date</td></tr></table> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>				Robert A. Molan Name of Person Signing Reg. No. 29,834	 Signature	January 23, 2002 Date
Robert A. Molan Name of Person Signing Reg. No. 29,834	 Signature	January 23, 2002 Date				

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ASSIGNMENT

WHEREAS, CeCap AB, (hereinafter ASSIGNOR), a corporation duly organized and existing under the laws of the state of Sweden and having an office and place of business at Bohultsgatan 7, Karlskoga, Sweden SE-691, is the owner of all right, title and interest in and to a certain invention entitled A SENSOR ELEMENT HAVING TEMPERATURE MEASURING MEANS for which an application for Letters Patent of the United States, Serial No. 09/377,832, was filed on August 20, 1999.

WHEREAS, ASSIGNOR hereby confirms that ASSIGNOR has the full right to convey all rights, as herein expressed, to the said application and the invention embodied therein;

AND WHEREAS, MKS Instruments, (hereinafter ASSIGNEE), a corporation duly organized and existing under the laws of the State of Maryland and having an office and place of business at Six Shattuk Road, Andover, Maryland 01810 USA, is desirous of acquiring all interest therein.

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents hereby sells, assigns, and transfers unto ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right, title and interest in and to the said invention described in the aforesaid application, the said application corresponding thereto, any patents issuing from the said application, and

all continuations, divisions, reissues, reexaminations, extensions, and foreign counterparts of the said application and/or any patents issuing therefrom, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives.

I am authorized to execute this ASSIGNMENT on behalf of ASSIGNOR.

Executed this 14 day of December, 2001.

CeCAP AB
BOHULTSGATAN 7
S-691 23 KARLSKOGA
[SEAL]

CeCap AB

By: *[Signature]*

Witnessed by:

Name: *[Signature]*
Christer Karlqvist

Date: 2001-12-14

Name: *[Signature]*
BJÖRN VAN DER HERT

Date: 2001-12-14