



**PATENT ASSIGNMENT SCHEDULE**

<b>PATENT NAME</b>	<b>Registration Number</b>	<b>Registration Date</b>	<b>Application Number</b>	<b>Application Date</b>
Acoustic Displacement Flow Meter	5,723,783	3/3/98	213,605	3/15/94
Acoustic Displacement Flow Meter	5,460,038	10/24/95	171,868	12/22/93
Acoustic Displacement Flow Meter	5,540,104	7/30/96	418,741	6/12/95
Boyles Flow Meter	5,367,910	11/29/94	849,859	3/12/92
High Pressure Soxhlet Extractor	4,265,860	5/5/81	134,625	3/27/80
Capillary Connector-GJ 31550.2	5,540,464	7/30/96	317,966	10/4/94
Capillary Gels Formed by Spatially Progressive Polymerization Using Migrating Initiator	5,080,771	1/14/92	603,983	10/26/90
Improved Acoustic Displacement Flow Meter	5,723,783	3/15/94	213,605	3/15/94
Method and System for Digital Measurement of Acoustic Burst in a Fluid Motion	5,035,147	7/30/91	478,101	2/9/90
On-Column Injector	4,440,550	4/3/84	508,742	6/28/83
Suppression of Electroosmosis with Hydrolytically Stable Coatings	5,074,982	12/24/91	603,589	10/26/90
Suppression of Electroosmosis with Hydrolytically Stable Coatings	5,143,753	9/1/92	760,677	9/16/91
Soap Film Flowmeter	4,879,907	11/14/89	14,577	2/13/87

ASSIGNMENT OF SECURITY INTEREST AND MORTGAGE  
IN UNITED STATES TRADEMARKS AND PATENTS

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of

which are hereby acknowledged, J&W Scientific Incorporated, a Delaware corporation (the "Grantor") with principal offices at 91 Blue Ravine Road, Folsom, California 95630, hereby assigns, grants and mortgages to IBJS, as Collateral Agent, with principal offices at One State Street, New York, New York 10004 (the "Grantee"), a security interest in (i) all of the Grantor's right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all of the Grantor's right, title and interest in and to the United States patents (the "Patents") set forth on Schedule B attached hereto, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) and products of the Marks and Patents, (iv) the goodwill of the businesses symbolized by the Marks, and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Marks and Patents or unfair competition regarding the same.

THIS AGREEMENT is entered into to secure the full and prompt performance and payment of all the Obligations of the Grantor, as such term is defined in the Security Agreement between the Grantor and the Grantee, dated as of August 11, 1998 (as amended from time to time, the "Security Agreement"). Upon the occurrence of the Termination Date (as defined in the Security Agreement), the Grantee shall, upon such satisfaction, execute, acknowledge, and deliver to the Grantor such statements, documents or other instruments in writing as may be reasonably requested by the Grantor releasing the security interest and mortgage in the Marks and Patents granted under this Agreement.

This Agreement has been entered into in conjunction with the security interest granted to the Grantee under the Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event any provisions of this Agreement are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

IN WITNESS WHEREOF, the undersigned have executed this Agreement

as of the 11th day of August, 1998.

J&W SCIENTIFIC INCORPORATED,  
Grantor

By: Shelva R. Ralston  
Title: Vice President

IBJ SCHRODER BANK & TRUST  
COMPANY,  
as Collateral Agent, Grantee

By: Mark H. Minton  
Title: Managing Director

STATE OF *California*)  
COUNTY OF *Sacramento* SS:



On this 10<sup>th</sup> day of August, 1998, before me personally came

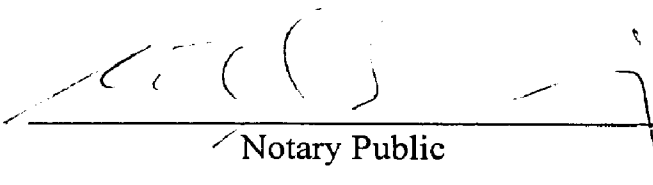
*Thelma Brathien* who, being by me duly sworn, did state as follows: that he is  
*Vice President* of J&W Scientific Incorporated that he is authorized to execute  
the foregoing Agreement on behalf of said corporation and that he did so by authority of  
the Board of Directors of said corporation.

*Margaret A. Bickford*  
Notary Public

STATE OF New York     )  
                                  ) ss:  
COUNTY OF New York    )

On this 11 day of August, 1998, before me personally came Mark H.

Minter, who, being by me duly sworn, did state as follows: that he is a Managing  
Director of IBJ Schroder Bank & Trust Company, and that he, as Managing Director  
being duly authorized so to do, executed the foregoing instrument for the purposes  
therein contained by signing the name of IBJ Schroder Bank & Trust Company by  
himself as a Managing Director.

  
\_\_\_\_\_  
Notary Public

MICHAEL S. LUKAJ  
Notary Public, State of New York  
No. 01LU5057501  
Qualified in Richmond County  
Certificate filed in New York County  
Commission Expires March 25, 2000

214138.3

RECORDED: 09/29/1998

PATENT  
REEL: 9479 FRAME: 0205