

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kevin R. KUPCHO	01/13/2005
Kurt VOGEL	01/13/2004
Elizabeth A. WERNER	01/13/2005
Jane A. BEEBE	01/29/2005
Tony A. KLINK	01/18/2005
David A. LASKY	01/13/2005
Karen M. KLEMAN-LEYER	01/23/2005
Richard SOMBERG	03/31/2005

RECEIVING PARTY DATA

Name:	Invitrogen Corporation
Street Address:	1600 Faraday Avenue
City:	Carlsbad
State/Country:	CALIFORNIA
Postal Code:	92008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10937042

CORRESPONDENCE DATA

Fax Number: (202)371-2540

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

Email: CBOUCHEZ@SKGF.COM

Correspondent Name: Sterne, Kessler, Goldstein & Fox P.L.L.C

Address Line 1: 1100 New York Ave, NW

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:

0942.7330002/RWE/CMB

OP \$40.00 10937042

500131716

PATENT  
REEL: 018017 FRAME: 0955

NAME OF SUBMITTER:

Cynthia M. Bouchez

**Total Attachments: 27**

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ASSIGNMENT

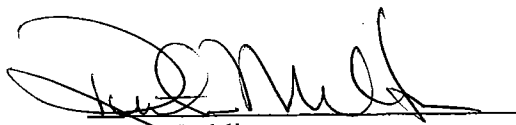
For valuable consideration, we, Kevin R. Kupcho, of 9 Laramie Court, Madison, WI 53719; Kurt Vogel, of 18 Haverhill Circle, Madison, WI 53717; Elizabeth A. Werner, of 3709 Ross St., Madison, WI 53705; Jane A. Beebe, of 3721 Basalt Ln., Madison, WI 53719; Tony A. Klink, of 314 Westmorland Blvd., Madison, WI 53705; David A. Lasky, of 7141 E. Valley Ridge Drive, Madison, WI 53719; Karen M. Kleman-Lever, of 837 Hiawatha Drive, Madison, WI 53711; Richard Somberg, of 2714 Richardson Street, <sup>Fitchburg</sup> ~~Kitchburg~~, WI 53711; hereby assign to INVITROGEN CORPORATION, a Delaware corporation, having a place of business at 1600 Faraday Avenue, Carlsbad, CA 92008, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BIMOLECULAR OPTICAL PROBES, filed September 9, 2004, and assigned U.S. Serial Number 10/937,042; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

RS 11/29/05

DATE: 1/13/05Kevin R. Kupcho  
KEVIN R. KUPCHOSTATE OF Wisconsin )  
COUNTY OF Dane ) SS.

On 1/13/05, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KEVIN R. KUPCHO appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

  
Notary Public  
My commission exp.  
2/10/08

DATE: 1.13.04  
KURT VOGELSTATE OF Wisconsin )  
COUNTY OF Dane ) SS.

On 1/13/04, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KURT VOGEL appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.


WITNESS my hand and official seal.

  
Notary PublicMy Commission exp  
2/10/08

DATE: 1/13/05  
ELIZABETH A. WERNERSTATE OF Wisconsin )  
COUNTY OF Dane ) SS.

On 1/13/05, before me, the undersigned, a notary public for the State of Wisconsin personally appeared ELIZABETH A. WERNER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

  
Notary PublicMy Commission exp.  
2/10/08

DATE: \_\_\_\_\_

\_\_\_\_\_  
JANE A. BEEBE

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared JANE A. BEEBE appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
TONY A. KLINK

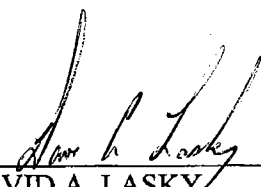
STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared TONY A. KLINK appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.


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



DATE: 1/13/05  
\_\_\_\_\_  
DAVID A. LASKYSTATE OF Wisconsin )  
COUNTY OF Dane ) SS.

On January 13<sup>th</sup>, 2005, before me, the undersigned, a notary public for the State of Wisconsin personally appeared DAVID A. LASKY appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

My commission exp.  
Feb. 10<sup>th</sup>, 2008

DATE: \_\_\_\_\_

\_\_\_\_\_  
KAREN M. KLEMAN-LEYER

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KAREN M. KLEMAN-LEYER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

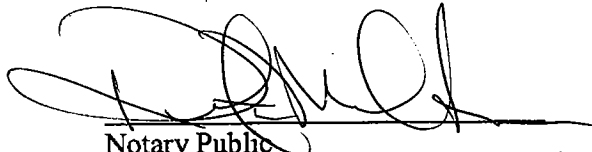
WITNESS my hand and official seal.

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

DATE: 3/31/05  
\_\_\_\_\_  
RICHARD SOMBERGSTATE OF Wisconsin )  
COUNTY OF Dane ) SS.

On 3/31/05, before me, the undersigned, a notary public for the State of Wisconsin personally appeared RICHARD SOMBERG appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public  
My commission expires 2/10/08

ASSIGNMENT

For valuable consideration, we, Kevin R. Kupcho, of 9 Laramie Court, Madison, WI 53719; Kurt Vogel, of 18 Haverhill Circle, Madison, WI 53717; Elizabeth A. Werner, of 3709 Ross St., Madison, WI 53705; Jane A. Beebe, of ~~3721 Basalt Ln.~~ <sup>1023 N. Church St. # 203 Elkhorn, WI 53121</sup> Madison, WI 53719; Tony A. Klink, of 314 Westmorland Blvd., Madison, WI 53705; David A. Lasky, of 7141 E. Valley Ridge Drive, Madison, WI 53719; Karen M. Kleman-Leyer, of 837 Hiawatha Drive, Madison, WI 53711; Richard Somberg, of 2714 Richardson Street, Ritchburg, WI 53711; hereby assign to INVITROGEN CORPORATION, a Delaware corporation, having a place of business at 1600 Faraday Avenue, Carlsbad, CA 92008, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BIMOLECULAR OPTICAL PROBES, filed September 9, 2004, and assigned U.S. Serial Number 10/937,042; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: \_\_\_\_\_

\_\_\_\_\_  
KEVIN R. KUPCHOSTATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KEVIN R. KUPCHO appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
KURT VOGELSTATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KURT VOGEL appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
ELIZABETH A. WERNERSTATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared ELIZABETH A. WERNER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: 1/29/2005Jane A. Beebe  
JANE A. BEEBESTATE OF Wisconsin )  
COUNTY OF Walworth ) SS.

On January 24<sup>th</sup> 2005, before me, the undersigned, a notary public for the State of Wisconsin personally appeared JANE A. BEEBE appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

[Signature]  
Notary Public



DATE: \_\_\_\_\_

\_\_\_\_\_  
TONY A. KLINK

STATE OF \_\_\_\_\_)

) SS.

COUNTY OF \_\_\_\_\_)

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared TONY A. KLINK appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
DAVID A. LASKY

STATE OF \_\_\_\_\_)

) SS.

COUNTY OF \_\_\_\_\_)

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared DAVID A. LASKY appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
KAREN M. KLEMAN-LEYERSTATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KAREN M. KLEMAN-LEYER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_

\_\_\_\_\_  
RICHARD SOMBERG

STATE OF \_\_\_\_\_)

) SS.

COUNTY OF \_\_\_\_\_)

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared RICHARD SOMBERG appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

ASSIGNMENT

For valuable consideration, we, Kevin R. Kupcho, of 9 Laramie Court, Madison, WI 53719; Kurt Vogel, of 18 Haverhill Circle, Madison, WI 53717; Elizabeth A. Werner, of 3709 Ross St., Madison, WI 53705; Jane A. Beebe, of 3721 Basalt Ln., Madison, WI 53719; Tony A. Klink, of 314 Westmorland Blvd., Madison, WI 53705; David A. Lasky, of 7141 E. Valley Ridge Drive, Madison, WI 53719; Karen M. Kleman-Leyer, of 837 Hiawatha Drive, Madison, WI 53711; Richard Somberg, of 2714 Richardson Street, Ritchburg, WI 53711; hereby assign to INVITROGEN CORPORATION, a Delaware corporation, having a place of business at 1600 Faraday Avenue, Carlsbad, CA 92008, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled BIMOLECULAR OPTICAL PROBES, filed September 9, 2004, and assigned U.S. Serial Number 10/937,042; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: \_\_\_\_\_  
\_\_\_\_\_ KEVIN R. KUPCHO

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KEVIN R. KUPCHO appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_  
KURT VOGEL

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared KURT VOGEL appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

DATE: \_\_\_\_\_  
 \_\_\_\_\_  
 ELIZABETH A. WERNER

STATE OF \_\_\_\_\_ )  
 ) SS.  
 COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared ELIZABETH A. WERNER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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



DATE: \_\_\_\_\_

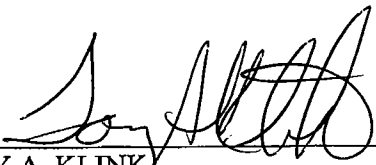
JANE A. BEEBE

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared JANE A. BEEBE appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

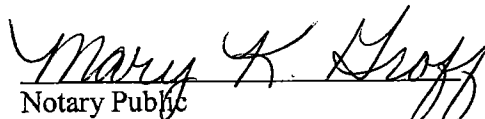
WITNESS my hand and official seal.

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

DATE: 1/18/05  
TONY A. KLINKSTATE OF WISCONSIN )  
COUNTY OF DANE ) SS.

On January 18, 2005, before me, the undersigned, a notary public for the State of Wisconsin personally appeared TONY A. KLINK appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

  
Notary PublicCOMMISSION EXPIRES JANUARY 11, 2009

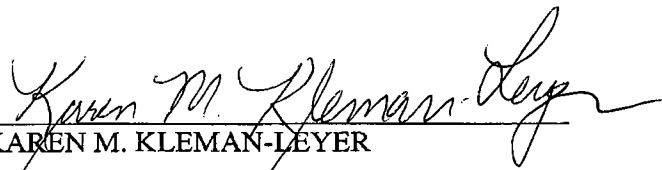
DATE: \_\_\_\_\_

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DAVID A. LASKYSTATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared DAVID A. LASKY appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

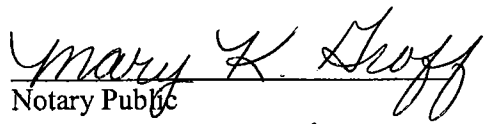
WITNESS my hand and official seal.

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

DATE: Jan. 23, 2005  
KAREN M. KLEMAN-LEYERSTATE OF WISCONSIN )  
COUNTY OF DANE ) SS.

On January 23, 2005 before me, the undersigned, a notary public for the State of Wisconsin personally appeared KAREN M. KLEMAN-LEYER appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that she executed the same in her authorized capacity and that by her signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

  
Notary Public  
COMMISSION EXPIRES 1/11/2009

DATE: \_\_\_\_\_

\_\_\_\_\_  
RICHARD SOMBERGSTATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_, before me, the undersigned, a notary public for the State of Wisconsin personally appeared RICHARD SOMBERG appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within Assignment, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the Assignment the person or the entity upon behalf of which the person acted executed the Assignment.

WITNESS my hand and official seal.

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

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