

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Epichem Limited	09/10/2007

RECEIVING PARTY DATA

Name:	Sigma-Aldrich Co.
Street Address:	3050 Spruce Street
City:	St. Louis
State/Country:	MISSOURI
Postal Code:	63103

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	10149092
Application Number:	10333569
Application Number:	10493667
Application Number:	10548946

CORRESPONDENCE DATA

Fax Number: (314)726-7501
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 314-726-7500
Email: tlafser@hdp.com
Correspondent Name: Harness, Dickey & Pierce PLC
Address Line 1: 7700 Bonhomme Suite 400
Address Line 4: St. Louis, MISSOURI 63105

NAME OF SUBMITTER:

J. Timothy Keane

Total Attachments: 4

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PATENT

REEL: 020331 FRAME: 0162

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CH \$160.00 10149092

ASSIGNMENT

WHEREAS, **EPICHEM LIMITED**, located and doing business at Power Road, Bromborough, Wirral CH62 3QF, Great Britain ("**ASSIGNOR**"), is the sole and exclusive owner of the applications and patents as listed on **SCHEDULE A** together with all inventions disclosed and/or claimed therein (the "**PROPERTY**", attached hereto);

WHEREAS, **SIGMA-ALDRICH CO.**, located and doing business at 3050 Spruce Street, St. Louis, Missouri 63103, United States of America ("**ASSIGNEE**"), is desirous of acquiring all right, title and interest in and to said **PROPERTY**;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, **ASSIGNOR** acknowledges that **ASSIGNOR** has sold, conveyed, assigned, transferred and set over, and does hereby sell, convey, assign, transfer and set over to **ASSIGNEE**, all undivided right, title and interest in and to said **PROPERTY** including all original, divisional, continuation, continuation-in part, substitute, reissue, renewal and extension applications, and patents granted thereon in all patent offices worldwide;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment; and

ASSIGNOR for itself and its legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver said **PROPERTY**, all pertinent facts and documents relating to said **PROPERTY** and legal equivalents as may be known and accessible to **ASSIGNOR** and all assignments thereof, to **ASSIGNEE** or its assigns, to communicate to **ASSIGNEE** or its representatives all facts known to **ASSIGNOR** respecting said **PROPERTY**, whenever requested to testify in any interferences or other legal proceedings in which any of said **PROPERTY** may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid **ASSIGNEE**, its successors, assigns and nominees to obtain patent protection for said **PROPERTY** in all countries worldwide, the expenses incident to said applications and legal proceedings therefrom to be borne and paid by **ASSIGNEE**.

IN WITNESS, WHEREOF, **ASSIGNOR** causes this Assignment to be executed by its duly appointed officer or trustee having full authority to convey said **PROPERTY**.

EPICHEM LIMITED

By: Richard A. Keffer Date: 9/10/07
Name: Richard A. Keffer
Title: Vice President, General Counsel and Secretary

[Signature]
Witness

[Signature]
Witness BRIAN K. STEIGWALT

IN WITNESS, WHEREOF, **ASSIGNEE** acknowledges receipt of assigned **PROPERTY**.

SIGMA-ALDRICH CO.

By: Richard A. Keffer Date: 9/10/07
Name: Richard A. Keffer
Title: Vice President, General Counsel, and Secretary

State of Missouri)
County of St. Louis City)

On this 10 day of September, 2007, before me appeared Richard A. Keffer the person who signed this instrument, who acknowledged that he/she signed it as a free act on behalf of SIGMA-ALDRICH CO. with authority to do so.

Kimberly Brucato
NOTARY PUBLIC



SCHEDULE A

Country	Official Number	Status
Australia	2003-250381	Pending
China	01813208	Granted
China	1571790	Pending
China	1668899	Pending
China	1761674	Pending
European Patent Convention	0787223	Granted
European Patent Convention	0648215	Granted
European Patent Convention	1242656	Granted
European Patent Convention	1303336	Granted
European Patent Convention	1438315	Pending
European Patent Convention	1521948	Pending
European Patent Convention	1603924	Pending
Germany	19983803	Pending
Great Britain	2305916	Granted
Great Britain	2358632	Granted
Great Britain	2355262	Granted
Great Britain	2370271	Granted
Great Britain	2390905	Granted
Great Britain	2399568	Pending
Great Britain	0523429	Pending
Great Britain	0523339	Pending
Great Britain	0613453	Pending
International (PCT)	WO9612831	National Phase
International (PCT)	WO9401438	National Phase
International (PCT)	WO0037475	National Phase
International (PCT)	WO9310125	National Phase
International (PCT)	WO9303196	National Phase
International (PCT)	WO0142539	National Phase
International (PCT)	WO0207848	National Phase
International (PCT)	WO03035926	National Phase
International (PCT)	WO04008085	National Phase
International (PCT)	WO04083479	National Phase
International (PCT)	WO06131751	Pending
Japan	8501532	Granted
Japan	5-503263	Granted
Japan	10507492	Pending
Japan	2002-53348	Pending
Japan	2003-516304	Pending

Country	Official Number	Status
Japan	2004-513576	Pending
Japan	02820437	Pending
Japan	2005-533266	Pending
Japan	2006-521337	Pending
Norway	20050192	Pending
Singapore	2004-07822	Granted
South Korea	10-2005-7006650	Pending
South Korea	10-2005-0111389	Pending
Taiwan	201982	Granted
Taiwan	125934	Granted
Taiwan	420725	Granted
Taiwan	67221	Granted
Taiwan	198600	Granted
Taiwan	198630	Granted
Taiwan	223606	Granted
Taiwan	091134964	Pending
Taiwan	092119357	Pending
Taiwan	093107221	Pending
Taiwan	095126146	Pending
Taiwan	64449	Granted
United States of America	5830530	Granted
United States of America	5473090	Granted
United States of America	6495707	Granted
United States of America	5288885	Granted
United States of America	5232869	Granted
United States of America	6248928	Granted
United States of America	6698728	Granted
United States of America	7100441	Granted
United States of America	10/333569	Pending
United States of America	US2005008781	Pending