

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>Thomas M DiMauro</td><td>02/20/2007</td></tr><tr><td>Jeffrey K Sutton</td><td>01/12/2007</td></tr><tr><td>Mohamed Attawia</td><td>01/12/2007</td></tr><tr><td>Hassan Serhan</td><td>01/12/2007</td></tr><tr><td>John Daniel Malone</td><td>02/15/2007</td></tr><tr><td>Timothy Beardsley</td><td>02/15/2007</td></tr></tbody></table>	Name	Execution Date	Thomas M DiMauro	02/20/2007	Jeffrey K Sutton	01/12/2007	Mohamed Attawia	01/12/2007	Hassan Serhan	01/12/2007	John Daniel Malone	02/15/2007	Timothy Beardsley	02/15/2007	
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RECEIVING PARTY DATA															
Name:	DePuy Spine, Inc.														
Street Address:	325 Paramount Drive														
City:	Raynham														
State/Country:	MASSACHUSETTS														
Postal Code:	02767														
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>10774105</td></tr></tbody></table>	Property Type	Number	Application Number:	10774105											
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CORRESPONDENCE DATA															
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NAME OF SUBMITTER:	Amy Pelletier														

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PATENT

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Total Attachments: 7

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ASSIGNMENT

Serial No. 10/774,105
Filed February 6, 2004

WHEREAS, Thomas M. DiMauro residing at 3 Fitzgerald Lane, Southboro, MA 01772, Jeffrey Sutton residing at 6 Longmeadow Lane, Medway, MA 02053, Mohamed Attawia residing at 11 Carriage Lane, Canton, MA 02021, Hassan Serhan residing at 27 Forest Edge Road, South Easton, MA 02375, John Daniel Malone residing at 646 Old Farm Rd, Franklin, MA 02038, Timothy Beardsley residing at 132 Indian Pond Rd., Kingston, MA 02364 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

Implant Having A Photocatalytic Unit

for which they have on this day executed an application for Letters Patent of the United States; and

WHEREAS, DePuy Spine, Inc., a corporation of the State of Ohio, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute

any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

WITNESS my hand and seal this 20th day of February, 2007.

By: Thomas M. DiMauro
Thomas M. DiMauro

NOTARIAL SEAL

State/Commonwealth of: Massachusetts

County of: Bristol

On this 20 day of February, 2007 before me, the undersigned notary public, personally appeared Thomas DiMauro, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Amy Pelletier (official signature and seal of Notary)

My Commissioner Expires: 1-21-2011



AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011

WITNESS my hand and seal this 12th day of January, 2007.

By: Jeffrey Sutton

Jeffrey Sutton

NOTARIAL SEAL

State/Commonwealth of: Massachusetts

County of: Bristol

On this 12 day of January, 2007 before me, the undersigned notary public, personally appeared Jeffrey Sutton, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Amy Pelletier (official signature and seal of Notary)

My

Commissioner

Expires: 1-21-2011



AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011

WITNESS my hand and seal this 12th day of January, 2007.

By: Mohamed Attawia
Mohamed Attawia

NOTARIAL SEAL

State of: New Jersey

County of: Monmouth

On this 12th day of January, 2007 before me, the undersigned notary public, personally appeared Ann M. Loso (name of document signer), proved to me through satisfactory evidence of identification, which were to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.

Ann M. Loso (official signature and seal of Notary)

My Commission Expires: _____

ANNE M. LOSO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Feb. 25, 2008

WITNESS my hand and seal this 12 day of Jan, 2007.

By: _____

Hassan Serhan

NOTARIAL SEAL

State/Commonwealth of: Massachusetts

County of: Bristol

On this 12 day of January, 2007 before me, the undersigned notary public, personally appeared Hassan Serhan, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Amy Pelletier (official signature and seal of Notary)

My Commissioner Expires: 1-21-2011



AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011

WITNESS my hand and seal this 15 day of February, 2007.

By: [Signature]
John Daniel Malone

NOTARIAL SEAL

State/Commonwealth of: Massachusetts

County of: Bristol

On this 15 day of February, 2007 before me, the undersigned notary public, personally appeared John Daniel Malone, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

[Signature] (official signature and seal of Notary)

My Commission Expires: 1-21-2011



AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011

WITNESS my hand and seal this 15th day of February, 2007.

By: Beardsley
Timothy Beardsley

NOTARIAL SEAL

State/Commonwealth of: Massachusetts

County of: Bristol

On this 15 day of February 2007 before me, the undersigned notary public,
personally appeared Timothy Beardsley, who is personally known to me to be the
person whose name is signed on the preceding or attached document, and acknowledged to me that he
signed it voluntarily for its stated purpose.

Amy Pelletier (official signature and seal of Notary)

My Commissioner Expires: 1-21-2011



AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011