617-832-7000

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ed original documents or copy thereof. 2. Name and address of receiving party(ies): Name: Biogen Idee MA Ing. Internal Address: Street Address: 14 Cambridge Center City: Cambridge Province: MA Zip: 02142 Country: U.S.A. Additional name(s) & addresses attached? Yes No
g date of the application is:
B. Patent No.(s):
6. Total number of applications and patents involved (1) 7. Total Fee (37 CFR 3.14)
HIS SPACE
December 20, 2004 Signature December 20, 2004

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Examiner

Approved

FEMBRAI	IDENTIFICATION
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The Commonwealth of Massachusetts

William Francis Galvin

Secretary of the Commonwealth One Ashburton Place, Boston, Massachusetts 02108-1512

021

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

we, Michael F. Phelps	*NoXsXXXXI/ *Vice President,
and Anne Marie Cook	, *Čjčrž ⊧ / *Assistant Clerk,
of Biogen, Inc. (Exact name of corporation)	,
located at 15 Cambridge Center, Cambridge, MA 02142	
(Street address of corporation in Massac	busetts)
certify that these Articles of Amendment affecting articles numbered:	
(Number those articles 1, 2, 3, 4, 5 and/or 6 be	eing amended)
of the Articles of Organization were duly adopted at a meeting held on Novembe	r 13_ , 20_ <u>03_,</u> by vote of:
	shares outstanding,
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	<u>XX</u> XXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	<u> </u>
being at least a majority of each type, class or series outstanding and entitled to vice the control of the con	ote thereon:/ or ² b xxx XX (f) and of each type, class or

М

17 \Box

*Delete the inapplicable words.

**Postes the inapplicable clause.

For amendments adopted pursuant to Chapter 156B, Section 70.

For amendments adopted pursuant to Chapter 156B, Section 77.

Note: If the space provided under any article or item on this form is insufficient, additions shall be set forth on one side only of separate 8 $1/2 \times 11$ sheets of paper with a left margin of at least 1 such Additions to more than one article may be under on a single sheet so long as each article requiring each addition is clearly indicated.

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PATENT

REEL: 015479 FRAME: 0035

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PATENT REEL: 015479 FRAME: 0036 Article 1 of the Articles of Organization of Biogen, Inc. is hereby amended to read in its entirety as set forth below:

The exact name of the Corporation is Biogen Ideo MA, Inc.

The foregoing amendment(s) will become effective when these Articles of Amendment are filed in accordance with General Laws. Chapter 156B, Section 6 unless these articles specify, in accordance with the vote adopting the amendment, a *later* effective date not more than *thirty days* after such filing, in which event the amendment will become effective on such later date.

Later effective date: N/A	 .					
SIGNED UNDER THE PENALTIES OF PERJURY, this _	135	day of	November		, 20 _	03
mus of		Michael F	F. Phelps	, "Perenikan /	*Vice	: President
Que Nais Carle				,*20 X o X _/	*Assis	itant Clerk

*Delete the inapplicable words.

PATENT

REEL: 015479 FRAME: 0037

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THE COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF AMENDMENT (General Laws, Chapter 156B, Section 72)

I hereby approve the within Articles of Amendment and, the filing fee in			
the amount of \$ \left(\frac{100}{200} \) having been paid, said articles are deemed to have been filled with me this \left(\frac{1}{200} \) day of \left(1000000000000000000000000000000000000			
to have been filed with me this 1.5 day of 1.000 mbs.			
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WILLIAM FRANCIS GALVIN Secretary of the Commonwealth

TO BE FILLED IN BY CORPORATION Contact information:

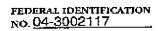
Louis A. Goodman
Skadden, Arps, Slate, Meagher & Flom LLP
One Beacon Street, Boston, MA, 02108
Telephone:(617) 573-4800
Email: LGoodman@Skadden.com

A copy this filling will be available on-line at www.state.ma.us/sec/cor once the document is filed.

PATENT

REEL: 015479 FRAME: 0038

Name Approved



The Commonwealth of Massachusetts

William Francis Galvin

Secretary of the Commonwealth One Ashburton Place, Boston, Massachusetts 02108-1512

ARTICLES OF AMENDMENT

(General Laws, Chapter 156B, Section 72)

wc, Anne Marie Cook	, * /X-XXXXXX / *Vice President,
and Benjamin S. Harshbarger	, *Čřěř / *Assistant Clork,
of Biogen Idec MA, Inc. (Exact name of cor.)	poration)
	•
located at 15 Cambridge Center, Cambidge, MA 02142 (Street address of corporation	n in Massachusetts)
certify that these Articles of Amendment affecting articles numbered:	
ı	· <u></u>
(Number those articles 1, 2, 3, 4, 5 c	and/or 6 being amended)
of the Articles of Organization were duly adopted at a meeting held on _	December 3 , 20 03 , by vote of:
1000 shares of Common Stock of (type, class & series, if any)	shares outstanding,
<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	· ‹ XXXXXXXXXX X%%%%%%%%%%%%%%%%%%%%%%%%%%
Parbeing at least a majority of each type, class or series outstanding and o እንደርተ እንደርቀ አንድር አንድር መስተር አንድር አንድር አንድር መስተር መስተር መስተር መስተር መስተር መስተር መስተር መስተ	entitled to vote thereon:/or ²⁴⁴ 淡淡淡 《公文次次次》 and of each type, class or
*Deluce the inapplicable words. **Polete the inapplicable clause. ' For amountments adopted pursuant to Chapter 186B, Section 70. ' For amountments adopted pursuant to Chapter 186B, Section 71. Note: If the space provided under any article or item on this form is insufficien only of separate 8 1/2 x 11 sheets of paper with a left nurgin of at least 1 inch made on a single sheet so king as each article requiring each addition is clearly	, Andinons to more total the artific only ce

PATENT REEL: 015479 FRAME: 0039

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To <i>change</i> the number of shares and the par value (if any) of any type, class or series of stock which the corporation	1 15
surhorized to issue, fill in the following:	/

The total presently authorized is:

WITHOU	IT PAR VALUE STOCKS	1	WITH PAR VALUE STO	OCKS
TYPE	NUMBER OF SHARES	TYPE	NUMBER OF SHARES	PAR VALUE
Common:		Common:		
				
Preferred:		Preferred:		

Change the total authorized to:

WITHOUT PAR VALUE STOCKS			WITH PAR VALUE STO	CKS
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, <u>1</u>	-11			
Preferred:		Preferred		

PATENT REEL: 015479 FRAME: 0040 Article 1 of the Articles of Organization of Biogen Idec MA, Inc. is hereby amended to read in it entirety as set forth below:

The exact name of the Corporation is Biogen Idec MA Inc.

The foregoing amendment(s) will become effective when these Articles of Amendment are filed in accordance with General Laws. Chapter 156B, Section 6 unless these articles specify, in accordance with the vote adopting the amendment, a *later* effective date not more than *thirty days* after such filing, in which event the amendment will become effective on such later date.

Later effective date: N/A	
SIGNED UNDER THE PENALTIES OF PERJURY, this3	day of December 2003
There Mary Cook	Anne Marie Cook , *PKAKIKA / *Vice President
Buy 182	Benjamin S. Harshbarger , •வக்க் / •Assistant Clerk

*Delote the mapplicable words.

05/0121274

8624 The COMMONWEALTH OF MASSACHUSETTS

ARTICLES OF AMENDMENT (General Laws, Chapter 156B, Section 72)

I hereby approve the wit	hin Articles of Amendmen	t and, the filing fee in	
the amount of \$ ///)	having been paid said	acticles are decomed	
to have been filed with	having been paid, said me this day of	Va pur bol	
20 23	me tilisday of 523	- St. St. C. F-C.	
20 22 .			
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Effective date:			
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WILL	AM FRANCIS GALVI	EN .	ESTATE 13:10 13:10
Secreta	ry of the Commonwealt.	ь	[F]

TO BE FILLED IN BY CORPORATION Contact information:

Kevin M.	Foley	
Biogen Id	ec Inc.	
14 Cambr	idge Center, Cambridge, MA 02142	, , , , , , , , , , , , , , , , , , , ,
Telephone: _	(617) 679-2716	· • • • • • • • • • • • • • • • • • • •
Email:	kcvin.foley@biogenidec.com	

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RECORDED: 12/20/2004

PATENT REEL: 015479 FRAME: 0042