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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Molecular Therapeutics, Inc. Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies) Name: Miles Inc. Internal Address:

3. Nature of conveyance: Merger, Change of Name, Execution Date: January 15, 1992

Street Address: One Mellon Center 500 Grant Street City: Pittsburgh State: PA Zip: 15219 Additional name(s) & address(es) attached? No

4. Application number(s) or patent number(s): See sheet provided.

B. Patent No.(s) See sheet provided.

5. Name and address of party to whom correspondence concerning document should be mailed: Jeffrey M. Greenman, Vice President Patents and Licensing Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven CT 06516

6. Total number of applications and patents involved: 18 7. Total fee (37 CFR 3.41): \$ 720.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 13-3372

OFFICE OF PUBLIC RECORDS JUN - 6 AM 7 16 FINANCE SECTION

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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Barbara A. Shimei Name of Person Signing

Barbara A. Shimei Signature

6/14/03 Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

ATTY. DOCKET: MTI 208, 209, 214 06/09/2003 ECOOPER 00000111 133372 6514936 01 FC:8021 720.00 CH

PATENT REEL: 014154 FRAME: 0183

APPLICATION NO.: /	FILING DATE	PATENT NO. (if applicable)	ASSIGNMENT RECORDED ON (DATE)	REEL	FRAME
*	9/30/94	5,589,453	09/01/88	4937	0588
*	9/30/94	6,051,231	12/15/88	5006	0460
* 08/316,384	9/30/94		05/14/90	5305	0344
** {	8/24/00	6,514,936	07/22/91	5773	0866
{	4/06/95	6,326,004	07/22/91	5773	0866
** {	5/05/95	6,143,298	07/22/91	5792	0677
{ 08/459,884	6/02/95		07/22/91	5792	0677
*	1/24/89	5,235,049	01/24/89	5098	0083
** {	5/18/95	5,859,212	12/21/89	5200	0307
{	5/18/95	5,821,341	12/21/89	5200	0307
** {	4/20/95	5,849,699	12/21/89	5200	0307
{	6/05/95	5,686,581	07/20/90	5402	0421
** {	6/05/95	5,674,982	07/20/90	5402	0421
{	10/4/94	6,096,862	07/20/90	5402	0421
** {	6/05/95	5,686,582	07/22/91	5788	0515
{	6/05/95	5,871,733	07/22/91	5788	0515
** {	10/4/94	6,107,461	07/22/91	5788	0515
{	4/14/94	6,130,202	08/20/92	6277	0734

NOTE: The PTO finds it useful if a copy of the assignment is submitted.

Cop(ies) of the Assignment(s) for those item(s) whose line begins with an asterisk(*) is(are) being submitted herewith.

NOTE: When requesting correction or updating of a previously recorded assignment document, providing the reel and frame number of that document will greatly expedite the recording process. Helpful Hints published September 30, 1986, 1070 O.G. 47 to 59 at 53.

** Indicates that one Assignment is applicable for the bracketed cases.

(Change of Name in Recorded Assignments [16-12]—page 3 of 3)

MTI 208,209,214

PATENT REEL: 014154 FRAME: 0184



ARTICLES OF MERGER & SHARE EXCHANGE

State Form 39036 (R/12-87)

Provided by Evan Bayh, Secretary of State of Indiana

Approved by State Board of Accounts, 1988

Present Original and One Copy - Use 8 1/2" x 11" paper for inserts.

FILING FEE: \$90.00

Indiana Code 23-1-40-1 et. seq.

Secretary of State
Corporations Division

ARTICLES OF MERGER & SHARE EXCHANGE OF

APPROVED AND FILED

Molecular Diagnostics, Inc. CON

Molecular Therapeutics, Inc. Del

STATE OF INDIANA

S: 198603-197 INTO

Miles Inc.

In accordance with the requirements of the Indiana Business Corporation Law, the undersigned corporations desiring to effect a merger or share exchange, set forth the following facts:

ARTICLE I - SURVIVING CORPORATION

SECTION 1:

The name of the corporation surviving the merger is:

Miles Inc. and such name has not (designate which) been changed as a result of the merger.

SECTION 2: (Strike inapplicable section)

a. The surviving corporation is a domestic corporation existing pursuant to the provisions of the Act incorporated on March 6, 1986

which to do business in Indiana. If the surviving corporation is qualified to do business in Indiana, state the date of admission...

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ARTICLE II - MERGING CORPORATION(S)

The name, state of incorporation and date of incorporation or admission, respectively, of each Indiana domestic corporation and Indiana-qualified foreign corporation, other than the survivor, which is party to the merger are as follows:

Table with 3 columns: Name of Corporation, State of Domicile, Date of incorporation or qualification in Indiana. Contains entries for Molecular Diagnostics, Inc. and Molecular Therapeutics, Inc.

ARTICLE III - PLAN OF MERGER OR SHARE EXCHANGE

The Plan of Merger or Share Exchange, containing such information as required by Indiana Code 23-1-40-1(b), is set forth in "Exhibit A", attached hereto and made apart hereof.

JUL 17 1992