

06-20-2002



102129143

SHEET

Attorney's Docket No. 033364-002

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

1. Name of conveying party(ies): 6-14-02  
The Liposome Company, Inc.

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: December 28, 2001

2. Name and address of receiving party(ies):  
 Name: Elan Pharmaceuticals, Inc.  
 Address: 800 Gateway Boulevard  
South San Francisco, CA 94080

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
09/429,694

B. Patent No.(s)  
4,564,599

Additional numbers attached?  Yes  No  
 (See Attached Schedule A; See Attached Schedule B for application and patent details)

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Teresa Stanek Rea  
 Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 151

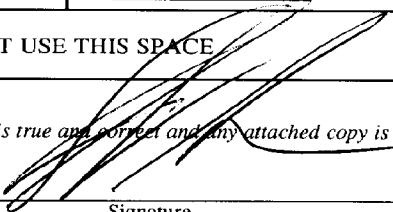
7. Total fee (37 CFR § 3.41): \$ 6040.00  
 Enclosed  
 Authorized to be charged to deposit account, if necessary

8. Deposit account number:  
02-4800

DO NOT USE THIS SPACE

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.*

Teresa Stanek Rea, Reg. No. 30,427  
Name of Person Signing

  
Signature

June 14, 2002  
Date

Total number of pages including cover sheet, attachments, and document: 19

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

06/19/2002 DBYRNE 00000097 09429694  
01 FC:581 6040.00 00

Schedule A  
Continuation of Recordation Cover Sheet  
form PTO-1595

**A. Patent  
Application  
Numbers**

**B. Patent  
Numbers**

09/429,694	4,668,638	5,100,662	5,756,774	5,703,117
09/540,050	4,897,834	5,376,381	4,666,831	6,051,600
09/976,936	5,059,591	5,200,393	4,698,299	6,107,332
09/645,973	5,366,958	5,762,958	6,261,792	6,392,063
08/442,077	5,000,958	5,965,159	4,522,803	5,082,664
09/398,934	5,030,453	5,942,246	4,588,578	5,262,168
09/644,470	5,169,637	6,007,839	5,429,823	5,925,375
09/715,798	4,714,571	6,180,137	5,783,210	5,188,951
07/323,182	4,814,111	5,897,873	5,556,580	5,762,957
08/439,227	5,084,215	5,820,848	5,583,052	
08/430,661	4,708,861	6,086,851	5,622,713	
10/132,151	4,721,612	6,090,406	5,008,050	
08/472,843	4,891,208	5,916,588	5,616,341	
09/940,672	5,231,112	5,614,216	5,744,158	
10/124,758	5,288,499	5,811,118	5,795,589	
09/314,338	6,352,716	4,973,465	6,083,530	
09/914,165	4,975,282	5,100,591	4,880,635	
10/088,796	4,861,580	5,716,526	5,922,350	
60/209,088	5,041,278	5,540,936	5,077,056	
60/270,308	5,234,634	5,683,715	5,578,320	
10/011,781	5,330,689	5,614,214	5,736,155	
60/343,251	5,409,704	5,662,930	5,837,279,	
60/343,211	4,981,692	5,766,624	4,885,172	
60/343,166	5,154,930	5,882,678	5,047,245	
60/346,284	5,948,441	5,580,899	5,171,578	
60/346,285	5,364,631	5,939,567	5,059,421	
60/346,287	5,026,557	6,118,011	4,923,854	
09/988,665	5,631,394	6,291,690	5,204,112	
60/209,088	5,677,337	6,153,736	5,252,263	
	5,681,589	6,015,716	5,376,452	
	5,840,328	5,932,242	5,616,334	
	6,030,639	6,017,557	4,963,297	
	5,009,819	6,120,797	5,525,232	
	5,415,867	6,294,191	5,399,331	
	5,049,392	6,087,325	5,380,531	
	5,171,737	6,143,716	5,389,378	
	5,626,873	6,339,069	5,552,155	

Schedule B  
Attachment to Recordation Cover Sheet  
form PTO-1595

1. U.S. Patent No. 4,564,599, issued January 14, 1986  
(Serial No. 06/476,495, filed March 24, 1983)  
For: Liposome Composition for Lupus Assay
2. U.S. Patent No.4,668,638, issued May 26, 1987  
(Serial No. 06/535,884)  
For: Liposome Composition for Lupus Assay
3. U.S. Patent No. 4,897,384, issued January 30, 1990  
(Serial No. 06/844,248)  
For: Drug Preparations of Reduced Toxicity
4. U.S. Patent No. 5,059,591, issued October 22, 1991  
(Serial No. 07/405,623)  
(Re-examined, Serial No. 90/005,227)  
For: Drug preparations of Reduced Toxicity
5. U.S. Patent No.5,366,958, issued November 22, 1994  
(Serial No.08/119,193)  
For: Localized Delivery Using Fibronectin
6. U.S. Patent No.5,000,958, issued March 19, 1991  
(Serial No.06/633,481)  
For: Enhancement of Pharmaceutical Activity
7. U.S. Patent No.5,030,453, issued July 9, 1991  
(Serial No. 06/660,573)  
For: Stable Plurilamellar Vesicles
8. U.S. Patent No.5,169,637, issued December 8, 1992  
(Serial No.06/679, 569)  
For: Stable Plurilamellar Vesicles
9. U.S. Patent No.4,714,571, issued December 22, 1987  
(Serial No.06/698,668)  
For: Process for Purification of Phospholipids
10. U.S. Patent No.4,814,111, issued March 21, 1989  
(Serial No.06/928,508)  
For: Process for Purification of Phospholipids

11. U.S. Patent No.5,084,215, issued January 28, 1992  
(Serial No.07/260,156)  
For: Process for Purification of Phospholipids
12. U.S. Patent No.4,708,861, issued November 24,1987  
(Serial No.06/695,887)  
For: Liposome-Gel Compositions
13. U.S. Patent No.4,721,612, issued January 26,1988  
(Serial No.06/721,630)  
For: Steroidal Liposomes
14. U.S. Patent No.4,891,208, issued January 2, 1990  
(Serial No.06/773,429)  
For: Steroidal Liposomes
15. U.S. Patent No.5,231,112, issued July 27,1993  
(Serial No.07/425,727)  
For: Steroidal Liposomes
16. U.S. Patent No.5,288,499, issued February 22, 1994  
(Serial No.07/758,587)  
For: Steroidal Liposomes
17. U.S. Patent No.6,352,716, issued March 5, 2002  
(Serial No.08/108,822)  
For: Steroidal Liposomes
18. U.S. Patent No.4,975,282, issued December 4, 1990  
(Serial No.97/122,613)  
For: Multilamellar Liposomes Having Improved Trapping Efficiencies
20. U.S. Patent No. 4,861,580., issued August 29, 1989  
(Serial No.06/911,138)  
For: Alpha-Tocopherol Based Vesicles
21. U.S. Patent No.5,041,278, issued August 29, 1991  
(Serial No.07/280,551)  
For: Alpha-Tocopherol Based Vesicles
22. U.S. Patent No. 5,234,634., issued August 10, 1993  
(Serial No.07/599,290)  
For: Alpha-Tocopherol Based Vesicles

23. U.S. Patent No.5,330,689, issued July 19, 1994  
(Serial No.08/039,941)  
For: Alpha-Tocopherol Based Vesicles
24. U.S. Patent No.5,409,704, issued April 25, 1995  
(Serial No.08/059,192)  
For: Liposomes Comprising Aminoglycoside Phosphates and Methods of Production and Use
25. U.S. Patent No.4, 981,692, issued January 1, 1991  
(Serial No. 07/086,467)  
For: Therapeutic Treatment by Intramammary Infusion
26. U.S. Patent No.5,154,930, issued October 13, 1992  
(Serial No.07/160,141)  
For: Pharmacological Agent-Lipid Solution Preparation
27. U.S. Patent No.5,948,441, issued September 7,1999  
(Serial No.98/367,923)  
For: Method for Size Separation of Particles
28. U.S. Patent No.5,364,631, issued November 15, 1994  
(Serial No.08/018,913)  
For: Tocopherol-Based Pharmaceutical Systems
29. U.S. Patent No.5,026,557, issued June 25, 1991  
(Serial No.07/483,263)  
For: Adjuvant Composition
30. U.S. Patent No.5,631,394, issued May 20,1997  
(Serial No.08/383,291)  
For: Pharmaceutically Active Compounds and Liposomes and Methods of Use Thereof
31. U.S. Patent No.5,677,337, issued October 14, 1997  
(Serial No. 98/547,688)  
For: Methods of Treatment Using Pharmaceutically Active Ceramide-Related Compositions
32. U.S. Patent No. 5,681,589, issued October 28,1997  
(Serial No.08/545,164)  
For: Liposomal Ceramide-Related Compounds and the Therapeutic Use Thereof

33. U.S. Patent Application Serial No. 09/429,694, filed October 27, 1999  
For: Liposomal Ceramide-Related compounds and the Therapeutic Use Thereof
34. U.S. Patent No. 5,840,328, issued November 24, 1998  
(Serial No.08/371,541)  
For: Treatment using Arachidonic Acid Metabolite and Particulate Formulations
35. U.S. Patent No.6,030,639, issued February 29, 2000  
(Serial No.08/652,259)  
For: Treatment Using Arachidonic Acid Metabolite and Particulate Formulations
36. U.S. Patent No.5,009,819, issued April 23, 1991  
(Serial No.07/119,667)  
For: Taste Moderating Composition
37. U.S. Patent No.5,415,867, issued May 16,1995  
(Serial No.08/105,764)  
For: High Ratio Active Agent: Lipid Complex
38. U.S. Patent No.5,049,392, issued September 17, 1991  
(Serial No.07/298,470)  
For: Osmotically Dependent Vesicles
39. U.S. Patent No. 5,171,737, issued December 15, 1992  
(Serial No.07/318,774)  
For: Emulsions
40. U.S. Patent No. 5,626,873, issued May 5, 1997  
(Serial No.08/442,080)  
For: Emulsions
41. U.S. Patent No.5,100,662, issued March 31, 1992  
(Serial No.07/422,047)  
For: Steroidal Liposomes Exhibiting Enhanced Stability
42. U.S. Patent No.5,376,381, issued December 27, 1994  
(Serial No.97/649,237)  
For: Integrity Protected Gelatin
43. U.S. Patent No.5,200,393, issued April 6, 1993  
(Serial No.07/758,276)  
For: Lipid Excipient for Nasal Delivery and Topical Application

44. U.S. Patent No.5,762,958, issued June 9,1998  
(Serial No.98/602,669)  
For: Multilipid Component Ether Liposomes
45. U.S. Patent No. 5,965,159, issued October 12, 1999  
(Serial No. 09/017,440)  
For: Etherlipid-Containing Multiple Lipid Liposomes
46. U.S. Patent No.5,942,246, issued August 24,1999  
(Serial No.09/017,366)  
For: Etherlipid-Containing Multiple Lipid Liposomes
47. U.S. Patent No.6,007,839, issued December 28, 1999  
(Serial No.09/017,439)  
For: Preparation for Etherlipid-Containing Multiple Lipid Liposomes
48. U.S. Patent No.6,180,137, issued January 30, 2001  
(Serial No.09/390,395)  
For: Etherlipid-Containing Multiple Lipid Liposomes
49. U.S. Patent Application Serial No. 09/540,050, filed March 3, 2000  
For: D and L Etherlipid Stereoisomers and Liposomes
50. U.S. Patent Application Serial No.09/976,936, filed October 11, 2001  
For: Etherlipid-Containing Multiple Lipid Liposomes
51. U.S. Patent No.5,897,873, issued April 27, 1999  
(Serial No.98/392,676)  
For: Affinity Associated Vaccine
52. U.S. Patent No.5,820,848, issued October 13, 1998  
(Serial No.08/315,988)  
For: Methods of Preparing Interdigitation-Fusion Liposomes and Gels Which  
Encapsulate a Bioactive Agent
53. U.S. Patent No.6,086,851, issued July 11,2000  
(Serial No.08/881,651)  
For: Pharmaceutical Compositions Containing interdigitation-Fusion Liposomes and  
Gels
54. U.S. Patent Application Serial No. 09/645,973, filed April 27, 2000  
For: Interdigitation-Fusion Gels

55. U.S. Patent No.6,090,406, issued July 18, 2000  
(Serial No. 07/485,388)  
For: Potentiation Of Immune Responses With Liposomal Adjuvants
56. U.S. Patent No.5,916,588, issued June 29,1999  
(Serial No. 08/452,549)  
For: Immunizing Dosage Forms
57. U.S. Patent No.5,614,216, issued March 25, 1997  
(Serial No. 08/442,079)  
For: Synthetic Lung Surfactant
58. U.S. Patent No.5,811,118, issued September 2, 1998  
(Serial No. 08/333,975)  
For: Methods of Treatment Using Unilamellar Liposomal Arachidonic Acid  
Metabolite Formulations
59. U.S. Patent No.4,973,465, issued November 27, 1990  
(Serial No. 07/364,481)  
For: Microcrystals Comprising an Active Substance Having an Affinity for  
Phospholipids and at Least One Phospholipid, Process for Preparation
60. U.S. Patent No.5,100,591, issued March 31, 1992  
(Serial No. 07/528,053)  
For: Method of Separating Materials From Liposomes or Lipid Complexes
61. U.S. Patent No. 5,716,526, issued February 10, 1998  
(Serial No. 08/599,869)  
For: Method of Separating Materials from Liposomes or Lipid Complexes
62. U.S. Patent No.5,540,936, issued July 30, 1996  
(Serial No. 08/253,145)  
For: Methods of Producing Liposomes
63. U.S. Patent Application Serial No. 08/442,077, filed May 16,1995  
For: Method for Controlling the Size of Liposomes
64. U.S. Patent No. 5,683,715, issued November, 1997  
(Serial No. 08/482,359)  
For: Taxane-Containing Phosphatidylcholine Liposomes
65. U.S. Patent Application Serial No. 09/398,934, filed September 1, 1999  
For: Reduction of Liposome-Induced Adverse Physiological Reactions



66. U.S. Patent No.5,614,214, issued March 25, 1997  
(Serial No. 08/247,053)  
For: Reduction of Liposome-Induced Adverse Physiological Reactions
67. U.S. Patent No. 5,662,930, issued September 2, 1997  
(Serial No. 08/433,665)  
For: Reduction of Liposome-Induced Adverse Physiological Reactions
68. U.S. Patent No.5,766,624, issued June 16, 1998  
(Serial No.08/449, 598)  
For Liposomal Defensins
69. U.S. Patent No.5,882,678, issued March 16, 1999  
(Serial No.08/339,964)  
For Interdigitation-Fusion Liposomes Containing Arachidonic Acid Metabolites
70. U.S. Patent No.5,580,899, issued December 3, 1996  
(Serial No.08/474,888)  
For Hydrophobic Taxane Derivatives
71. U.S. Patent No.5,939,567, issued August 17, 1999  
(Serial No.08/988,120)  
For Methods of Combinatorial Therapy Using Hydrophobic Taxane Derivatives
72. U.S. Patent No.6,118,011, issued September 12, 2000  
(Serial No.08/753,650)  
For Preparation of Liposomal Taxanes
73. U.S. Patent No. 6,291,690, issued September 18, 2001  
(Serial No.09/567,366)  
For Hydrophobic Taxane Derivatives
74. U.S. Patent No.6,153,736, issued November 28, 2000  
(Serial No.98/722,881)  
For Modified Ether Glyceroglycolipids
75. U.S. Patent Application Serial No. 09/644,470, filed August 23, 2000  
For Modified Ether Glyceroglycolipids
76. U.S. Patent No.6,015,716, issued January 18, 2000  
(Serial No.08/679,046)  
For Detection of Endotoxin Levels in Liposomes, Lipid Bilayers and Lipid Complexes

77. U.S. Patent No.5,932,242, issued August 3,1999  
(Serial No.08/720,997)  
For Ether Lipid-containing Pharmaceutical Compositions and Therapeutic Uses  
Thereof
78. U.S. Patent No. 6,017,557, issued January 25, 2000  
(Serial No.08/950,773)  
For Ether Lipid-containing Pharmaceutical Compositions and Therapeutic Uses  
Thereof
79. U.S. Patent No.6,120,797, issued September 19,2000  
(Serial No.08/951,956)  
For N-Acyl Phosphatidylethanolamine Mediated Liposome Drug Delivery
80. U.S. Patent No. 6,294,191, issued September 25, 2001  
(Serial No.09/487,953)  
For N-Acyl Phosphatidylethanolamine Mediated Liposomal Drug Delivery
81. U.S. Patent No.6,087,325, issued July 11, 2000  
(Serial No.08/950,618)  
For Peptide-Lipid Conjugates
82. U.S. Patent No.6,143,716, issued November 7, 2000  
(Serial No.09/168,010)  
For Liposomal Peptide-Lipid Conjugates, and Delivery Using Same
83. U.S. Patent No.6,339,069, issued January 15,2002  
(Serial No.09/343,650)  
For Peptide-Lipid Conjugated, Liposomes and Liposomal Drug Delivery
84. U.S. Patent No. 5,756,774, issued May 26, 1998  
(Serial No.08/794,957)  
For Novel Synthesis of Myo-Inositol Phosphates
85. U.S. Patent No.4,666,831, issued May 19,1987  
(Serial No.06/702,555)  
For Improved Lipid-Dependent Diagnostic Assays
86. U.S. Patent No.4,698,299, issued October 6, 1987  
(Serial No.06/831,255)  
For Lipid-Dependent Diagnostic Assays
87. U.S. Patent No. 6,261,792, issued July 17, 2001  
(Serial No.08/44,567)  
For Lipid-Dependent Diagnostic Assays

88. U.S. Patent No.4,522,803, issued June 11, 1985  
(Serial No.06/476/496)  
For Stable Plurilamellar Vesicles
89. U.S. Patent No.4,588,578, issued May 13, 1986  
(Serial No. 06/521,176)  
For Lipid Vesicles Prepared in a Monophase
90. U.S. Patent No.5,429,823, issued July 4, 1995  
(Serial No.08/303,592)  
For Phospholipid Composition and Liposomes Made Therefrom
91. U.S. Patent No.5,783,210, issued June 21, 1998  
(Serial No.08/453,132)  
For Phospholipid Composition
92. U.S. Patent No.5,556,580, issued September 17, 1996  
(Serial No.08/437, 906)  
For Liposome Continuous Size Reduction Method and Apparatus
93. U.S. Patent No. 5,583,052, issued December 10,1996  
(Serial No.08/447,660)  
For Formulation Preparation Device
94. U.S. Patent No. 5,622,713, issued April 22, 1997  
(Serial No. 08/375,190)  
For Method for Detoxifying Animal Suffering from Overdose
95. U.S. Patent No.5,008,050, issued April 16, 1991  
(Serial No.07/310,495)  
For Extrusion Technique for Production Unilamellar Vesicles
96. U.S. Patent No.5,616,341, issued April 1, 1997  
(Serial No.08/112,875)  
For Low Toxicity Formulations of Liposomal Antineoplastic Agents
97. U.S. Patent No.5,744,158, issued April 28,1998  
(Serial No.08/450,830)  
For Methods of Treatment Using High Drug:Lipid Formulations of Liposomal Antineoplastic Agents
98. U.S. Patent No.5,795,589, issued August 18, 1998  
(Serial No.08/794,988)  
For Liposomal-Antineoplastic Agent Compositions

99. U.S. Patent No. 6,083,530, issued July 4, 2000  
(Serial No.09/084,526)  
For High Drug: Lipid Formulations of Liposomal Antineoplastic Agents
100. U.S. Patent No.4,880,635, issued November 14,1989  
(Serial No. 06/759,419 )  
(Re-examination Serial No. 09/003,125, issued July 2, 1996)  
For Dehydrated Liposomes
101. U.S. Patent No.5,922,350, issued July 13,1999  
(Serial No. 08/876,938)  
For Dehydrated Liposomes
102. U.S. Patent Application Serial No.09/715,798, filed November 17, 2000  
For Encapsulation of Ionizable Agents in Liposomes
103. U.S. Patent No.5,077,056, issued December 31, 1991  
(Serial No.07/284,751)  
For Encapsulation of Antineoplastic Agents in Liposomes
104. U.S. Patent No.5,578,320, issued November 26,1996  
(Serial No.08/022,819)  
For Dehydrated Liposomes
105. U.S. Patent No. 5,736,155, issued April 7,1998  
(Serial No.08/461,212)  
For Encapsulation of Antineoplastic Agents in Liposomes
106. U.S. Patent No.5,837,279, issued November 17,1998  
(Serial No.08/450,831)  
For Encapsulation of Ionizable Agents in Liposomes
107. U.S. Patent No. 4,885,172, issued December 5, 1989  
(Serial No.06/941,913)  
For Novel Compositions for Targeting, Storing, and Loading of Liposomes
108. U.S. Patent No.5,047,245, issued September 10,1991  
(Serial No.07/399,642)  
For Novel Compositions for Targeting, Storing, and Loading of Liposomes
109. U.S. Patent No.5,171,578, issued December 15,1992  
(Serial No.07/711,294)  
For Novel Compositions for Targeting, Storing and Loading of Liposomes

110. U.S. Patent No.5,059,421, issued October 22, 1991  
(Serial No.07/370,650)  
For Preparation of Targeted Liposome Systems of a Defined Size Distribution
111. U.S. Patent No.4,923,854, issued May 8, 1990  
(Serial No.06/821,366)  
For Solubilization of Hydrophobic Materials Using Lysophospholipid
112. U.S. Patent Application Serial No.07/323,182, filed March 13, 1989  
For Methods and Compositions Using Liposome-Encapsulated Non-Steroidal Anti-Inflammatory Drugs
113. U.S. Patent No.5,204,112, issued April 20,1993  
(Serial No.07/061,837)  
For Induction of Asymmetry in Vesicles
114. U.S. Patent No.5,252,263, issued October 12, 1993  
(Serial No.07/854,107)  
For Induction of Asymmetry in Vesicles
115. U.S. Patent No.5,376,452, issued December 27, 1994  
(Serial No.08/132,711)  
For Induction of Asymmetry in Vesicles
116. U.S. Patent Application Serial No. 08/439,227, filed May 11, 1995  
For Nonsteroidal Anti-inflammatory Compositions and Method of Preparation and Use
117. U.S. Patent Application Serial No.08/430,661, filed April 28, 1995  
For Low Toxicity Drug-Lipid System
118. U.S. Patent No.5,616,334, issued April 1, 1997  
(Serial No.08/430,699)  
For Low Toxicity Drug-Lipid System
119. U.S. Patent Application Serial No.10/132,151, filed April 26, 2002  
For Low Toxicity Drug-Lipid System
120. U.S. Patent No. 4,963,297, issued October 16,1990  
(Serial No.07/136,267)  
For Spontaneous Vesiculation of Multilamellar Liposomes
121. U.S. Patent No.5,525,232, issued June 11, 1996  
(Serial No. 08/137,371)  
For Method of Entrapment of Cationic Species in Lamellar Vesicles

122. U.S. Patent No.5,399,331, issued March 21, 1995  
(Serial No.07/946,806)  
For Method for Protein-Liposome Coupling
123. U.S. Patent No.5,380,531, issued January 10, 1995  
(Serial No.07/896,509)  
For Accumulation of Amino Acids and Peptides into Liposomes
124. U.S. Patent No.5,389,378, issued February 14, 1995  
(Serial No.07/990,023)  
For Benzoporphyrin Vesicles and Their use in Photodynamic Therapy
125. U.S. Patent No.5,552,155, issued September 3, 1996  
(Serial No. 08/226,642)  
For Fusogenic Liposomes and Method for Making and Using Same
126. U.S. Patent Application Serial No.08/472,843, filed June 7, 1995  
For Method for Loading Lipid Like Vesicles with Drugs or Other Chemicals
127. U.S. Patent No.5,703,117, issued December 30, 1997  
(Serial No.08/712,684)  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
128. U.S. Patent No.6,051,600, issued April 18, 2000  
(Serial No.08/805,184)  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
129. U.S. Patent No.6,107,332, issued August 22, 2000  
(Serial No.09/249,004)  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
130. U.S. Patent No.6,392,063, issued May 21, 2002  
(Serial No.09/618,872)  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
131. U.S. Patent Application Serial No.09/940,672, filed August 29, 2001  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
132. U.S. Patent Application Serial No.10/124,758, filed April 16, 2002  
For Hydrolysis-Promoting Hydrophobic Taxane Derivatives
133. U.S. Patent No. 5,082,664, issued January 21, 1992  
(Serial No.07/195,228)  
For Prostaglandin-Lipid Formulations

134. U.S. Patent No. 5,262,168, issued November 16, 1993  
(Serial No.07/821,648)  
For Prostaglandin-Lipid Formulations
135. U.S. Patent No.5,925,375, issued July 20, 1999  
(Serial No.08/333,770)  
For Multilamellar Liposomal Arachidonic Acid Metabolite Formulations
136. U.S. Patent No.5,188,951, issued February 23,1993  
(Serial No.07/694,669)  
For Enzymatic Synthesis of Soluble Phosphatides from Phospholipids
137. U.S. Patent Application Serial No.09/314,338, filed May 19,1999  
For Novel Particulate Formulations
138. U.S. Patent Application Serial No.09/914,165, filed December 26, 2001  
For Encapsulation of Bioactive Complexes in Liposomes
139. U.S. Patent Application Serial No. 10/088,796, filed March 22, 2002  
For Solid Phase Assay
140. U.S. Patent Application Serial No.60/209,088, filed June 2, 2000  
For Modular Targeted Liposomal Delivery System
141. U.S. Patent Application Serial No. 60/270,308, filed February 21, 2001  
For Enantiomers of Unsaturated Alkyllysophosphocholines and Use as  
Anti-neoplastics
142. U.S. Patent Application Serial No. 10/011,781, filed December 11, 2001  
For C-Glucosyl Ether Lipids
143. U.S. Patent Application Serial No.60/343,251, filed December 31, 2001  
For Efficient Nucleic Acid Encapsulation Into Medium Sized Liposomes
144. U.S. Patent Application Serial No.60/343,211, filed December 31, 2002  
For Efficient Liposomal Encapsulation under Mild Conditions
145. U.S. Patent Application Serial No.60/343,166, filed December 31, 2001  
For Efficient Liposomal Encapsulation
146. U.S. Patent Application Serial No.60/346,284, filed January 9, 2002  
For Efficient Nucleic Acid Encapsulation into Medium Sized Liposomes
147. U.S. Patent Application Serial No. 60/346,285, filed January 9, 2002  
For Efficient Liposomal Encapsulation Under Mild Conditions

148. U.S. Patent Application Serial No.60/346,287, filed January 9, 2002  
For Efficient Liposomal Encapsulation
149. U.S. Patent Application Serial No.09/988,665, filed November 20, 2001  
For Liposome Extrusion Process
150. U.S. Patent No. 5,762,957, issued June 9, 1998  
(Serial No. 08/474,382)  
For Method for Loading Lipid Like Vesicles with Drugs or Other Chemicals
151. U.S. Patent Application Serial No. 60/209,088  
For Modular Targeted Liposomal Delivery System



# Delaware

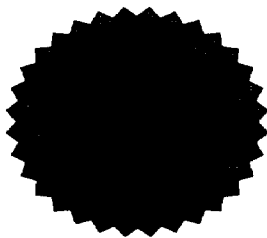
PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"THE LIPOSOME COMPANY, INC.", A DELAWARE CORPORATION, WITH AND INTO "ELAN PHARMACEUTICALS, INC." UNDER THE NAME OF "ELAN PHARMACEUTICALS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-EIGHTH DAY OF DECEMBER, A.D. 2001, AT 10:02 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2001, AT 12 O'CLOCK A.M.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

2104559 8100M

AUTHENTICATION: 1767283

020295553

DATE: 05-08-02  
PATENT

REEL: 012958 FRAME: 0617

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 10:02 AM 12/28/2001  
010674852 - 2104559

CERTIFICATE OF MERGER OF  
THE LIPOSOME COMPANY, INC.

WITH AND INTO

ELAN PHARMACEUTICALS, INC.  
(Pursuant to Section 251 of the  
General Corporation Law of Delaware)

\*\*\*\*\*

The undersigned corporation organized and existing  
under and by virtue of the General Corporation Law of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the name and state of incorporation of  
each of the constituent corporations of the merger is as fol-  
lows:

<u>NAME</u>	<u>STATE OF INCORPORATION</u>
The Liposome Company, Inc.	Delaware
Elan Pharmaceuticals, Inc.	Delaware

SECOND: That an Agreement and Plan of Merger, dated  
as of December 28, 2001 (the "Merger Agreement"), by and among  
The Liposome Company, Inc. and Elan Pharmaceuticals, Inc. has  
been approved, adopted, certified, executed and acknowledged by  
each of the constituent corporations in accordance with the re-  
quirements of Section 251 of the General Corporation Law of  
Delaware.

THIRD: That Elan Pharmaceuticals, Inc. shall be the  
surviving corporation (the "Surviving Corporation").

FOURTH: That the Amended and Restated Certificate of  
Incorporation of Elan Pharmaceuticals, Inc., which will survive  
the merger, shall be the Certificate of Incorporation of the  
Surviving Corporation.

Liposome Certificate of Merger

FIFTH: That the executed Merger Agreement is on file at an office of the Surviving Corporation, the address of which is 800 Gateway Boulevard, South San Francisco, California 94080.

SIXTH: That a copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any constituent corporation.

SEVENTH: That this Certificate of Merger shall be effective at midnight on December 31, 2001.

Dated: December 28, 2001

ELAN PHARMACEUTICALS, INC.

By: Lisabeth F. Murphy  
Name: Lisabeth F. Murphy  
Title: Vice President & Secretary

ATTEST:

By: [Signature]

Liposome Certificate of Merger