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U.S. DEPARTMENT OF COMMERCE

ÆET Patent and Trademark Office Docket No. 509032002700 PATENTS ONLY To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): Joshua D. RABINOWITZ, and Alejandro C. ZAFFARONI Name: ALEXZA Molecular Delivery Corporate Internal Address: Street Address: 1001 East Meadow Circle Additional name(s) of conveying party(ies) attached? □Yes ☑No City: Palo Alto, State: California ZIP: 94303 Nature of conveyance: ■ Assignment ☐ Merger ☐ Change of Name Additional name(s) & address(es) attached? Yes ☐ Security Agreement ☐ Other: Execution Date: September 23, 2002 for all parties 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: Patent No.(s) A. Patent Application No.(s) 10/150,591 filed on May 17, 2002 Additional numbers attached? Yes No 6. Total number of applications and patents involved: one (1) Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 C.F.R. § 3.41): \$40.00 Richard R. Eckman Morrison & Foerster LLP □ Enclosed 755 Page Mill Road Authorized to be charged to deposit account, referencing Palo Alto, California 94304-1018 Attorney Docket 509032002700 8. Deposit account number: 03-1952 The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952. 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. Name: Richard R. Eckman Registration No: 42,504 Total number of pages comprising cover sheet, attachments and document: two (2) 00000145 031952 10/08/2002 DBYRNE 40.00 CH 01 FC:581 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

pa-729120

Attorney Docket No.: 509032002700

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Joshua D. RABINOWITZ and Alejandro C. ZAFFARONI (hereinafter referred to as the assignors), residing at 750 N. Shoreline Boulevard, #50, Mountain View, California 94043 and 1 Faxon Forest, Atherton, California 94027, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in DELIVERY OF ANTIEMETICS THROUGH AN INHALATION ROUTE, set forth in an application for Letters Patent of the United States, bearing Serial No. 10/150,591 and filed on May 17, 2002; and

WHEREAS, ALEXZA Molecular Delivery Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 1001 East Meadow Circle, Palo Alto, California 94303 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-inpart of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

9-23-02

Joshua D. RABINOWITZ

9/23/02

Alejandro C. ZAFFARONI

RECORDED: 10/04/2002

1