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U.S. DEPARTMENT OF COMMERCE

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Patent and Trademark Office Docket No. 368292000200

Mame: Arriva Pharmaceuticals, Inc. Internal Address: 2020 Challenger Drive Street Address: 2020 Challenger	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
3. Nature of conveyance: Additional name(s) & address(es) attached? Yes No	Philip J. BARR, Helen GIBSON and Philip PEMBERTON ☐ Individual(s) ☐ Association ☐ ☐ Office ☐ Corporation-State ☐ Other	Name: Arriva Pharmaceuticals, Inc. Internal Address: 2020 Challenger Drive Street Address: 2020 Challenger Drive
Additional name(s) & address(es) attached? Yes B N	Additional name(s) of conveying party(ies) attached? □Yes ☑No	
## Assignment	3. Nature of conveyance:	Additional name(s) & address(es) attached? ☐ Yes 図 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) B. Patent No.(s) 10/025_514_filed_December 18, 2001 Additional numbers attached? See No 5. Name and address of party to whom correspondence concerning document should be mailed: Catherine M. Polizzi Morrison & Foerster ur 75 Fage Mill Road Palo Alto, California 94304-1018 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: Catherine M. Polizzi Registration No. (40,130) Total number of pages comprising cover sheet, attachments and document: two (2) **Total number of pages comprising cover sheet, attachments and document: two (2) **Total number of pages comprising cover sheet, attachments and document: two (2)	☐ Security Agreement ☐ Change of Name	
If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/025,514 filed December 18, 2001 Additional numbers attached? Yes No S. Name and address of party to whom correspondence concerning document should be mailed: Catherine M. Polizzi Morrison & Foerster up 755 Page Mill Road Palo Alto, California 94304-1018 The Commissioner's 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. 03-1932 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: Catherine M. Polizzi Registration No: (40,130) Total number of pages comprising cover sheet, attachments and document: two (2) Total number of pages comprising cover sheet, attachments and document: two (2)		
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755 Page Mill Road Palo Alto, California 94304-1018 Authorized to be charged to deposit account, refere Attorney Docket 368292000200 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: Catherine M. Polizzi Registration No: (40,130) Total number of pages comprising cover sheet, attachments and document: two (2) Total number of pages comprising cover sheet, attachments and document: two (2)	Catherine M. Polizzi	7. Total fee (37 C.F.R. § 3.41): \$40.00
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Attorney Docket No.: 368292000200

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Philip J. BARR, Helen GIBSON, and Philip PEMBERTON (hereinafter referred to as the assignors), residing at 5602 Denton Place, Oakland, California 94619; 37 Donna Way, Oakland, California 94605; and 661 Rockdale Drive, San Francisco, California 94127, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in MULTIFUNCTIONAL PROTEASE INHIBITORS AND THEIR USE IN TREATMENT OF DISEASE, set forth in an application for Letters Patent of the United States, bearing Serial No. 10/025,514 and filed on December 18, 2001; and

WHEREAS, Arriva Pharmaceuticals, Inc., a corporation duly organized under and pursuant to the laws of California and having its principal place of business at 2020 Challenger Drive, Alameda, California 94501 (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 assigners, 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.

March 11, 2002

March 11, 2002

March 11, 2002

Philip J. BARR

Helen GIBSON

Philip PEMBERTON

State of California

County of Alameda

On March 11, 2002, before me, Tracy Greiner, Notary Public, personally appeared Philip J. Barr, Helen Gibson and Philip Pemberton, personally known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Tracy Greiner



Description of Attached Document

Title of Type of Document: ASSIGNMENT JOINT

Document Date: March 11, 2002 Number of Pages: 1

Signers Other Than Named Above: None

Capacities Claimed by Signers

Signer's Name: Philip J. Barr Individual Helen Gibson Individual

Philip Pemberton Individual

PATENT RECORDED: 04/15/2002 REEL: 012819 FRAME: 0110