| Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/2005) | U.S. DEPARTMENT OF COM United States Patent and Trademark | |
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| PATENT | S ONLY | |
| To the Director of the U.S. Patent and Trademark Office: Pleas | se record the attached documents or the new address(es) belo | /_ |
| 1. Name of conveying party(ies)/Execution Date(s): | 2. Name and address of receiving party(ies) | |
| PEP-PER Biotech GmbH | Name: Island Pharmaceuticals Ltd. | |
| | Internal Address: | |
| , | | |
| Execution Date(s) 10/15/04 | Street Address: 19 Duke Street | |
| Additional name(s) of conveying party(les) attached? Yes 🗹 No | | |
| 3. Nature of conveyance: | | |
| Assignment Merger | City: Douglas | |
| Security Agreement Change of Name | State: Işle of Man | |
| Government Interest Assignment | | |
| Executive Order 9424, Confirmatory License | Country: British Isles Zip: IM1 2BB | |
| Other | Additional name(s) & address(es) attached? Yes | No |
| 4. Application or patent number(s): | document is being filed together with a new applic∉ | tion. |
| A. Patent Application No.(s) | B. Patent No.(s) | |
| 09/890,752 | | |
| | <u>.</u> | |
| Additional numbers at | l tached? ☐Yes ✔No | |
| 5. Name and address to whom correspondence | 6. Total number of applications and patents | |
| concerning document should be mailed: | involved: 1 | _ |
| Name:Wilmer Cutler Pickering Hale and Dorr LLP | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 | |
| Internal Address: Ann-Louise Kerner, Ph.D. | Authorized to be charged by credit card | |
| | Authorized to be charged to deposit account | |
| Street Address: 60 State Street | Enclosed | |
| | None required (government interest not affecting | title) |
| City: Boston | 8. Payment Information | |
| State: MA Zip: 02109 | a. Credit Card Last 4 Numbers | |
| Phone Number: 617-526-6000 | Expiration Date | |
| Fax Number: 617:526-5000 | b. Deposit Account Number <u>08-0219</u> | |
| Email Address: | Authorized User Name Ann-Louise Kerner | Ph.D |
| | | |
| 9. Signature: $\frac{3/31/05}{\text{Signature}}$ | | |
| Ann-Louise Kerner, Ph.D., Reg. No. 33,523 | Total number of pages including cover | 3 |
| Name of Person Signing | sheet, attachments, and documents: | د |

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> PATENT REEL: 015993 FRAME: 0451

ASSIGNMENT

For valuable consideration, we,

| Full Name of Assignor | City | State (and Country if not USA) |
|-----------------------|--------|--------------------------------|
| PEP-PER Biotech GmbH | Berlin | Germany |

hereby assign to

| Full Name of Assignee | State of Incorporation | Business Address |
|-----------------------------|------------------------|--|
| Island Pharmaceuticals Ltd. | British Isles | 19 Duke Street, IM1 2BB British Isles |

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

| Title of Application | Filing Date | Serial Number |
|----------------------------|-------------------|---------------|
| Particles for Gene Therapy | November 30, 2001 | 09/890,752 |

this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

USSN 09/890,752

Page Two

| IN WITNESS WHEREOF, I hereto set my hand and seal at | | | | |
|--|---------|-------------|--|--|
| this 15 day of Octob | 2004 | | | |
| True Pods | | | | |
| PEP-PER Biotech GmbH | | L.\$, | | |
| Oct. 15, 2004. | Witness | | | |
| Oct . 15, 7004 | Witness | | | |

Page 2 of 2