FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

MFD 9-9-99 09-13-1999



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| Address (line 1) 6705 Rockledge Drive  | Suite 1040 representative is attached. (Designation must be a                       |  |  |  |  |
| Address (line 2) MSC 7980  | separate document from Assignment.)   |  |  |  |  |
| Address (line 3) Bethesda City   | Maryland / USA 20892-7980 State/Country Zip Code                                    |  |  |  |  |
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| FORM PTO-1619B<br>Expires 06/30/99<br>OMB 0651-0027  | Page 2   | U.S. Department of Commerce Patent and Trademark Office PATENT |  |
| Correspondent Name and Address   | Area Code and Telephone Nur  | nber 301-435-1986  |  |
| Name National Institutes   | of Health, The   |  |  |
| Address (line 1) Extramural Invention  | ons Office, The  |  |  |
| Address (line 2) 6705 Rockledge Driv   | re, Suite 1040   |  |  |
| Address (line 3) MSC 7980  |  |  |  |
| Address (line 4) Bethesda, Maryland  | d / USA 20892-7980   |  |  |
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| Patent Application Number(s)  08957333  09099199  If this document is being filed together with a new Pate signed by the first named executing inventor. |  | Patent Number(s)  pplication was Month Day Year                |  |
| Patent Cooperation Treaty (PCT)  Enter PCT application number only if a U.S. Application Number has not been assigned.  Number of Properties             | F01F01   | PCT PCT  |  |
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## License to the United States Government

Invention Title: Fusion Proteins for Protein Delivery (of plgR and therapeutic protein)

Inventor(s): Pamela Davis, Thomas Ferkol, Elizabeth Eckman, John Schreiber, John Luk

Patent or Application Serial No.:

US 08/957.333

U.S. Filing/Issue Date: 10/24/97

Grant/Contract Identification Number(s): NIH DK49138, DK43999, DK27651

Foreign Applications filed/intended in (countries):

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the Public Health Services/National Institutes of Health. This document is confirmatory of:

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| Grant       | ee/Contractor | Official and | Title)  |               |

For: Case Western Reserve University

At: 10900 Euclid Avenue, Cleveland, Ohio 44106

## License to the United States Government

Invention Title: Expression System for Production of Therapeutic Proteins

Inventor(s): Mark J. Cooper, Peter Brunovskis

Patent or Application Serial No.: US

US 09/099,199

U.S. Filing/Issue Date: 6/18/98

Grant/Contract Identification Number(s): NIH OD66780, CA72737

Foreign Applications filed/intended in (countries): Australia, Canada, Japan

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For: Case Western Reserve University

At: 10900 Euclid Avenue, Cleveland, Ohio 44106