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| <u>R</u> | Recordation Form Cover Sheet | | |
|-------------------|--|--|---|
| | o the Honorable Commissioner of locuments. | Patents and Trademarks. | Please record the attached |
| 1. | Name of conveying party(ies): Laurence Andrew Ball Kyle Leslie Johnson Karyn Nicole Johnson B. Duane Price | <u>Found</u> Addres | y(ies): <u>Гhe UAB Research</u> |
| | Additional names of conveying p X_NOYES | earty(ies) attached? | |
| 3. | Nature of Conveyance: X Assignment_Merger Security Agreement Change of Name OTHER | Additional names & additional na | |
| | Execution Date(s): February 19, 2 | 2002. | |
| 4. | Application number(s) or patent r Additional numbers attached? X | | |
| 5. | Name and address of party to who document should be mailed: Name: Dr. Benjamin A. Adler ADLER & ASSOCIATES | om correspondence concerni Address: 8011 Candle L Houston, Texa | .n. |
| 6. | Total number of applications and | patents involved: 1 | |
| 7. de | Total Fee (37 CFR 3.41):\$ eposit account | enclosed | X authorized to charge |
| 8. | Deposit Account number: 07-118 | 35 (duplicate copy attached i | if paying by deposit account) |
| 9. ca | Statement and signature. To the best of my knowled prrect and any attached copy is a true contract. | | oing information is true and t. |
| | enjamin Aaron Adler Ph.D, J.D. fame of person signing | Signature Signature | 2/24/02 Date |
| 03/19/2002 GTON11 | 00000046 071185 09595346 | Total number of pa | ages comprising cover sheet: 1_ |

ASSIGNMENT

WHEREAS, we, Laurence Andrew Ball, of 2845 Argyle Road, Birmingham, AL 35213, Kyle Leslie Johnson, of 1204 Altadena Rise, Birmingham, AL 35242, Karyn Nicole Johnson, of 1301 27th Place South, Apt # 1, Birmingham, AL 35205, B. Duane Price, of 2309 English Village Lane, Mountain Brook, AL 35223, (hereinafter collectively called 'ASSIGNORS"), are co-inventors and owners of certain new and useful improvements in Nodavirus-Like DNA Expression Vector And Uses Thereof, an application for United States Letters Patent as filed June 14, 2000 as United States Serial No. 09/595,346.

WHEREAS, University of Alabama at Birmingham Research Foundation, of 701 20th Street South, Birmingham, AL 35294-0111, (hereinafter called "ASSIGNEE"), is desirous of acquiring, and ASSIGNOR are desirous of assigning to ASSIGNEE, all right, title and interest in and to said invention and application identified above.

NOW, THEREFORE, ASSIGNORS, for and in consideration of Ten Dollars (\$10.00) to us in hand paid, and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, hereby sell, assign and convey upon ASSIGNEE and its successors the entire right, title and interest throughout the world in the inventions improvements which are the subject of an application for United States Patent signed by me, this assignment including said application, any and foreign patents, utility models, States and 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 my name 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 us 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.

| And we do further covenant and agree that we will, at any time upon | | | | | |
|--|--|--|--|--|--|
| request, communicate to the Assignee, its successors, assigns or other | | | | | |
| legal representative, such facts relating to said invention and Letters | | | | | |
| Patent or the file history thereof as may be known to us, and testify as to | | | | | |
| the same in any interference or other litigation when requested, without | | | | | |
| further compensation but at the expense of said Assignee, its successors | | | | | |
| or other legal representatives. | | | | | |
| DATE: Fab 19th 2002 L.A. Ball. | | | | | |
| Lattrence Andrew Ball | | | | | |
| STATE OF Mahan : | | | | | |
| COUNTY OF Jefferson: | | | | | |
| COUNT OILLIAM. | | | | | |
| Before me this | | | | | |
| Notary Public Song & Parkers | | | | | |
| My Commission Expires: NOTARY PUBLIC STATE OF ALABAMA AT LARGE MY COMMISSION EXPIRES: Apr. 28, 2003 BONDED THRU NOTARY PUBLIC UNDERWRITERS | | | | | |
| DATE: 2/19/2002 Kyle Leslie Johnson | | | | | |
| Kyle Leslie Johnson | | | | | |
| STATE OF Alghans: | | | | | |
| COUNTY OF Jefferson: | | | | | |
| Before me this 19th day of February, 2002, personally appeared Kyle Leishe Johnson known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained. | | | | | |
| Notary Public Smy B. Parkin | | | | | |
| My Commission Expires: NOTARY PUBLIC STATE OF ALABAMA AT LARGE MY COMMISSION EXPIRES: Apr. 28, 2003 BONDED THRU NOTARY PUBLIC UNDERWRITERS | | | | | |

| DATE: Feb 19th 2002 |) moham |
|--|---|
| | Karyn Nicole Johnson |
| STATE OF Alabama : | |
| COUNTY OF Jefferson: | |
| Before me thisday o appeared | oregoing Assignment and acknowledged |
| Notary Public | c Smy B Perkins |
| My Commiss | ion Expires: NOTARY PUBLIC STATE OF ALABAMA AT LARGE M.V. COMMISSION EXPIRES: Apr. 28, 20.3 DAY CHANGE OF UNDTARY PUBLIC UNDERGE. |
| DATE: Feb. 15, 2002 | 3. Duane Price |
| | B. Duane Price |
| STATE OF Alabama: | |
| COUNTY OF Jefferson: | |
| whose name is subscribed to the fo that he executed the same as his fre therein contained. | 0 |
| Notary Public | Any B. Reckins |
| My Commiss | notary public state of alabama at large my commission expires: Apr. 28, 2003 honded thru notary public underwriters |

RECORDED: 03/04/2002