

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FRANCESCA MICOLI	12/22/2010
RECEIVING PARTY DATA	
Name:	NOVARTIS VACCINES INSTITUTE FOR GLOBAL HEALTH S.R.L.
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State/Country:	ITALY
Postal Code:	I-53100
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	61291262
Application Number:	13520338
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Address Line 4:	EMERYVILLE, CALIFORNIA 94608-2916
ATTORNEY DOCKET NUMBER:	PAT053845-US-PCT
NAME OF SUBMITTER:	KWEZI MJUMBE
Total Attachments: 2 source=ASG INV GLO SRL 53845#page1.tif source=ASG INV GLO SRL 53845#page2.tif	

CH \$80.00 61291262

*ASSIGNMENT*

*WHEREAS, ME, FRANCESCA MICOLI*, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified United States Patent Application:

Title: POLYSACCHARIDE IMMUNOGENS CONJUGATED TO E. COLI CARRIER  
PROTEINS

Date(s) of Execution:

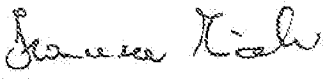

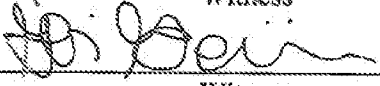
Priority Data:	<u>Application No.</u>	<u>Filing Date</u>
	61/291262	December 30, 2009

*WHEREAS, NOVARTIS VACCINES INSTITUTE FOR GLOBAL HEALTH S.R.L.*, with a place of business at Via Fiorentina 1, I-53100, Siena, Italy, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above application and to any invention(s) described therein, and in any Letters Patent which may be granted on the same;

*NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention(s), said application(s) and to any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisionals, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

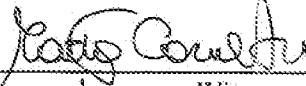

*ASSIGNORS* further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

*IN TESTIMONY WHEREOF*, *ASSIGNORS* have hereto signed their name to this assignment on the date indicated below.

Date 22/12/2010   
FRANCESCA MICOLI  
  
Witness  
  
Witness

NOVARTIS VACCINES INSTITUTE FOR GLOBAL HEALTH SRL

Date 22/12/2010   
Printed Name: Allan SAUER

  
Witness  
  
Witness