

## PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE:   | ASSIGNMENT           |
| CONVEYING PARTY DATA  |                      |
| Name  | Execution Date       |
| Louwrens Hermias VAN ZYL  | 08/25/2011           |
| RECEIVING PARTY DATA  |                      |
| Name:   | CSIR                 |
| Street Address:   | Scientia             |
| City:   | Pretoria             |
| State/Country:  | SOUTH AFRICA         |
| Postal Code:  | 0002                 |
| PROPERTY NUMBERS Total: 1   |                      |
| Property Type   | Number               |
| Application Number:   | 13817987             |
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| Total Attachments: 3<br>source=010_ASSN#page1.tif<br>source=010_ASSN#page2.tif<br>source=010_ASSN#page3.tif |                      |

OP \$40.00 13817987

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned.

**VAN ZYL, Louwrens, Hermias**  
**244 Carinus Street, Meyerspark, 0184 PRETORIA, South Africa**

hereby sell, assign and transfer to

**CSIR**

of

**Scientia, 0002 PRETORIA, South Africa**

(hereinafter called the Assignee)

the entire right, title, and interest in and to any and all improvements which are disclosed in the PCT International Application designating the United States entitled

### **A WING CONTROL SYSTEM**

which application was

filed on **14 July 2011**, under No. **PCT/IB2011/053144**

including any and all applications for United States Letters Patent based thereon and any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightfully other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at PRETORIA this 25<sup>TH</sup> day of AUGUST 2011

INVENTOR(S):

*h-31*  
**VAN ZYL, Louwrens Hermias**

WITNESSES:

*J.S. Rank*  
*J. Strigler*

**UNDERTAKING AND RATIFICATION OR ACKNOWLEDGEMENT OF  
ASSIGNMENT AND POWER OF ATTORNEY**

A&A Ref: P50118ZP00 DHW/cve

Between VAN ZYL, Louwrens Hermias

of 244 Carinus Street, Meyerspark, PRETORIA, Gauteng,  
Republic of South Africa

(hereinafter referred to as the "Inventor/s")

and

**CSIR**

a body corporate duly incorporated in the Republic of South Africa by virtue of Act of Parliament No 46 of 1988, and having its registered office address at Scientia, PRETORIA, Gauteng, Republic of South Africa

(hereinafter referred to as "CSIR")

WHEREAS

the Inventor/s have/has made an invention entitled

**A WING CONTROL SYSTEM**

(hereinafter called the "Invention")

WHEREAS

the Inventor/s at all material times was an/were employee/s of CSIR so that by virtue of Section 13 of Act 46 of 1988 of the Republic of South Africa, the Invention vested in CSIR;

WHEREAS

the Inventor/s and CSIR desire that patent protection should be obtained for the Invention in the name of CSIR at least in South Africa and possibly in various other countries; and

WHEREAS

it is expedient to set down in this Deed, the relationship between the parties hereto.

NOW THEREFORE

(1)

The Inventor/s acknowledge/s that no right of whatever nature in the Invention vests in him/them and that CSIR is the owner of all right and title to the Invention in respect of all countries.

15/88

**PATENT**  
**REEL: 029869 FRAME: 0686**

(2)

The Inventor/s undertake/s promptly to execute all such documents as may be necessary to enable CSIR, its successors and assigns through, independently of, or in conjunction with himself/themselves to acquire patent protection for the Invention at the discretion of and in the countries selected by CSIR, its successors and assigns.

(3)

In order to give effect to the terms and conditions embodied herein, the Inventor/s irrevocably grant/s unto CSIR, its successors and assigns, his/their Power of Attorney with Power of Substitution and Revocation to act on his/their behalf as if personally acting in the execution of such papers and documents envisaged in Clause (2) above, such Power of Attorney incorporated in this agreement being dated as of the date set out hereunder above the signature/s of the Inventor/s.


(4)

The law governing this Agreement is the law of the Republic of South Africa.

DATED at PRETORIA this 2ND day of MARCH 2011

AS WITNESSES:

1. \_\_\_\_\_


  
VAN ZYL, Louwrens Hermias

2. \_\_\_\_\_

DATED at PRETORIA this 11 day of March 2011

AS WITNESSES:

1.  \_\_\_\_\_

  
CSIR  
Full Names: Johan Strydom  
Capacity: Research Manager

2.  \_\_\_\_\_