

PATENTS ONLY

10-20-2008



103530618

1. Name of party or parties conveying an interest: Peter Bauer Matthias Scheutz	2. Name and address of party or parties receiving an interest: Name: University of Notre Dame Du Lac 511 Main Building Notre Dame, IN 46556
3. Description of the interest conveyed: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement Execution Date: October 2, 2008 & October 9, 2008	Other: <div style="writing-mode: vertical-rl; transform: rotate(180deg);">OPR/FIN/ANOC</div>
4. Application number(s) or patent number(s). Additional sheet attached? YES___ NO <u>X</u> A. Patent Application no.(s): 12/181,036 filed July 28, 2008	If the document is being filed together with a new application, the execution date of the application is: B. Patent no.(s):
5. Name and address of party to whom correspondence concerning this cover sheet should be mailed: Name: Keith R. Jarosik Reg. No. 47,683 HANLEY, FLIGHT & ZIMMERMAN, LLC 150 S. Wacker Drive, Suite 2100 Chicago, Illinois 60606	6. Number of applications and/or patents identified on this cover sheet: 1 ----- 7. Amount of fee enclosed or authorized to be charged: \$40.00 ----- 8. <i>Any additional required fee may be charged, or any overpayment credited to our deposit account: 50-2455</i>

9. To the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted is a true copy of the original document. I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Date: 10/14/08

12/17/2008 N/AHA1 00000079 12181036
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Keith R. Jarosik
Registration No.: 47,683

Total number of pages including cover sheet, attachments, and document: 6

A S S I G N M E N T

Serial No: 12/181,036
Filed: July 28, 2008
Title: METHODS AND APPARATUS FOR SWARM NAVIGATION OF
MULTIPLE AGENTS

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to University of Notre Dame du Lac, 511 Main Building, Notre Dame, Indiana 46556, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

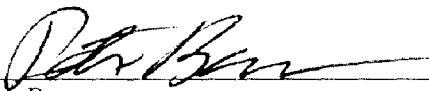
For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary

statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 2nd day of OCTOBER, 2008

State of INDIANA

County of ST. JOSEPH

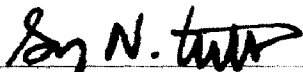

Peter Bauer

On this 2nd day of OCTOBER, 2008 before me, a Notary Public in and for the County and State aforesaid, appeared Peter Bauer, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: MARCH 2, 2012

Notary Public:



WITNESS my hand this _____ day of _____, 2008.

State of _____

County of _____

Matthias Scheutz

On this _____ day of _____, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared Matthias Scheutz, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: _____

Notary Public: _____

ASSIGNMENT

Serial No: 12/181,036
Filed: July 28, 2008
Title: METHODS AND APPARATUS FOR SWARM NAVIGATION OF
MULTIPLE AGENTS

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to University of Notre Dame du Lac, 511 Main Building, Notre Dame, Indiana 46556, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this _____ day of _____, 2008

State of _____

County of _____

Peter Bauer

On this _____ day of _____, 2008 before me, a Notary Public in and for the County and State aforesaid, appeared Peter , to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

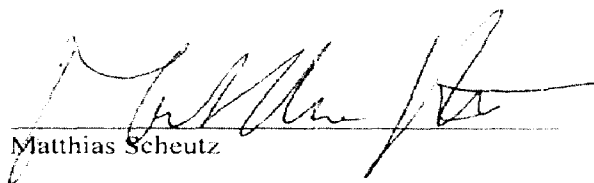
My Commission Expires: _____

Notary Public: _____

WITNESS my hand this 9 day of October, 2008.

State of Indiana

County of Monroe


Matthias Scheutz

On this 9th day of October, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared Matthias Scheutz, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 3/5/11

Notary Public: Theresa Bracke

PATENT

RECORDED: 10/17/2008

REEL: 021705 FRAME: 0058