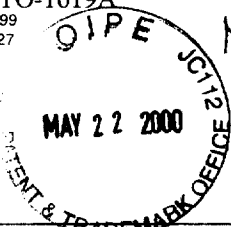


FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



06-13-2000



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**PATENT**  
REEL: 010838 FRAME: 0647

**Correspondent Name and Address**

Area Code and Telephone Number (215) 979-1283

Name Stephan P. Gribok

Address (line 1) Duane, Morris & Heckscher LLP

Address (line 2) One Liberty Place

Address (line 3) Philadelphia, PA 19103

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

# 1 (one)

**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)

Patent Number(s)

09/434,644						

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month	Day	Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

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Enter the total number of properties involved. # 1 (one)

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account

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Deposit Account Number: # 04-1679

Authorization to charge additional fees: Yes  No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Stephan P. Gribok/Anthony Colesanti

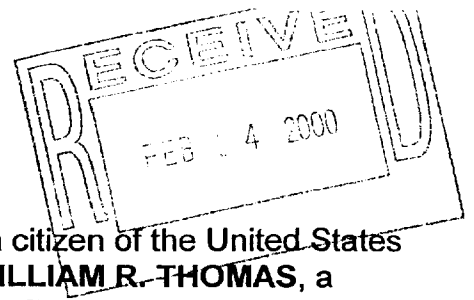
5/15/00

Name of Person Signing

Signature

Date

## ASSIGNMENT



WHEREAS, the undersigned, **WILLIAM J. HALLOCK**, a citizen of the United States residing at **608 North Lincoln, Hazleton, PA 18201**, and **WILLIAM R. THOMAS**, a citizen of the United States residing at **187 Main Street (P.O. Box 248), Conyngham, PA 18219** (hereinafter "ASSIGNORS") are the inventor of certain inventions or improvements for **HIGH DENSITY HOUSING FOR AQUATIC ANIMALS**, for which an application for Letters Patent of the United States was filed **November 5, 1999** as SN **09/434,644**;

WHEREAS, **THOREN CAGING SYSTEMS, INC.**, a Pennsylvania corporation, having a place of business at **815 West Seventh Street, Hazleton, PA 18201** (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to said application for patent, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States or in any other country;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS, and each of them, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said ASSIGNEE, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, sale and transfer not been made.

AND each of the undersigned ASSIGNORS hereby covenants that he has full right to convey the entire interest herein assigned, and that he has not executed and will not execute any agreement in conflict herewith, and further covenants and agrees that he will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal

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PATENT  
REEL: 010838 FRAME: 0649

representatives to obtain and enforce for its own benefit proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States and all other countries to which application for patent should be made, to issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent which may be issued and granted on or as a result thereof, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNORS hereunto set their hands and seals, intending to be legally bound.

Date: 1/9/00

William J. Hallock  
William J. Hallock

Date: 1/9/00

William R. Thomas  
William R. Thomas