

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Carl Francis Swinehart	10/07/2004

RECEIVING PARTY DATA

Name:	Thomas W. Swinehart
Street Address:	246 Scott Dr.
City:	Lancaster
State/Country:	OHIO
Postal Code:	43130

Name:	Richard Swinehart
Street Address:	32316 Knobel Dr.
City:	Willowick
State/Country:	OHIO
Postal Code:	44095

PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	6200385
Patent Number:	6277351
Patent Number:	6423136
Patent Number:	6562133

CORRESPONDENCE DATA

Fax Number: (216)348-5474

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 216-348-5400

Email: ip@mcdonaldhopkins.com

Correspondent Name: Todd A. Benni

PATENT

REEL: 016610 FRAME: 0456

500052915

OP \$160.00 6200385

Address Line 1:	600 Superior Avenue, East
Address Line 2:	Suite 2100
Address Line 4:	Cleveland, OHIO 44114

NAME OF SUBMITTER:	Todd A. Benni
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Total Attachments: 3

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ASSIGNMENT OF PATENT APPLICATIONS

WHEREAS, I, Carl Francis Swinehart, having an address at 4102 Silsby, University Heights, Ohio 44118-3318, hereinafter referred to as "Assignor", is the owner of the entire right, title, and interest in and to the following U.S. Patents: 6,200,385, entitled: Crucible for Growing Macrocrystals, filed March 20, 2000; 6,277,351, entitled: Crucible for Growing Macrocrystals filed June 28, 2000; 6,423,136, entitled: Crucible for Growing Macrocrystals filed January 30, 2001; and 6,562,133, entitled: Crucible for Growing Macrocrystals filed July 12, 2001 (hereinafter referred to as "Patents").

WHEREAS, Thomas Swinehart aka Thomas W. Swinehart having an address at 246 Scott Dr., Lancaster, Ohio 43130 and Richard Swinehart having an address at 32316 Knobel Dr., Willowick, Ohio 44095 herein referred to as "Assignees" are desirous of acquiring an undivided interest in the entire right and title to said Patents.

WHEREAS, the Assignor willed an undivided interest in the entire right and title to said Patents to the Assignees through the probate of the will of the Assignor occurring on February 11, 2004 at Cuyahoga County, Ohio.

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, the Assignor, by these presents do sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right to said Patents and all letters patent of foreign countries which may be or have been issued on the invention disclosed in the Patents, all divisions, reissues, and continuations thereof, and all inventions disclosed therein, together with all claims for damages by reason of past or future infringement, with the right to sue for and collect the same for the use and benefit of Assignee and its successors and assigns.

Assignor warrants that he is the sole and exclusive owner of the entire legal and equitable interest in the Patents and the inventions disclosed therein, free and clear of all liens and encumbrances; and that he has full power, authority, and capacity to make this Assignment to Assignee. Assignor covenants and agrees for myself and for my successors and assigns that, at Assignee's request, I will cause to be executed and delivered any applications, affidavits, assignments, and other instruments as may be deemed necessary or desirable to secure for or vest

in Assignee, its successors or assigns, all right, title, and interest in and to any application, patent, or other right or property covered by this assignment, including the right to apply for and obtain patents in foreign countries under the provisions of the International Convention; and Assignor hereby requests and authorizes the United States Commissioner of Patents and Trademarks to issue any and all United States patents granted on any of said Patents to Assignee as owner of the entire right, title, and interest in and to the same, and authorizes appropriately empowered officials of foreign countries to issue any letters patent granted on any of said Patents to Assignee as owner of the entire right, title, and interest in and to the same.

By: Thomas W. Swinehart

Name: Thomas W. Swinehart

On behalf of Carl Francis Swinehart as the
Executor of his estate and in accordance
With 37 CFR 1.42

STATE OF OHIO)
) SS:
COUNTY OF Fairfield)

Before me personally appeared ^{Tom}Swinehart who acknowledged the foregoing instrument to be his free act and deed this 7th day of October 7, 2004.

Victor L. Smith

Notary Public

My Commission Expires May 2, 2006