## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Sankar Sambasivan	02/22/2007
Krishnaswamy K. Rangan	02/13/2007

## **RECEIVING PARTY DATA**

Name:	Applied Thin Films, Inc.
Street Address:	1801 Maple Avenue, Suite 5316
City:	Evanston
State/Country:	ILLINOIS
Postal Code:	60201

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11476257

## **CORRESPONDENCE DATA**

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NAME OF SUBMITTER: Rodney D. DeKruif

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> PATENT REEL: 019001 FRAME: 0727

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Attorney Docket No: 9088

For: [X] U.S. and/or [X] Foreign Rights

For: [X] U.S. Application or [] U.S. Patent

By: [X] Inventor(s) or [] Present Owner

# ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to each ASSIGNOR identified below of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:	
(inventor(s) or	Sankar SAMBASIVAN
person(s) or entity(ies) who own the invention)	(Type or print name(s) of ASSIGNOR(S))
	2210 West Arthur Avenue, #3
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(inventor(s) or	Krishnaswamy K. RANGAN
norman(a) ou autitudia-)	(Type or print name(s) of ASSIGNOR(S))
person(s) or entity(ies) who own the invention)	
	3049 St. Regents Drive, Apt. #324
	Fairfax, VA 22031
	(Address)
	_ India
	(Nationality)
(If assignmen	t is by person or entity to whom invention was previously assigned
	and this was recorded in PTO add the following)
Recorded on	
Keel	
Frame	
hereby sells, assigns	and transfers to
ASSIGNEE:	
TIDDIOIVEE.	Applied This Till T
	Applied Thin Films, Inc.
	1801 Maple Avenue
	Suite 5316
	Evanston, IL 60201
	(Address)
	An Illinois Corneration

An Illinois Corporation

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PATENT REEL: 019001 FRAME: 0728

and the successors, assigns and legal representatives of the ASSIGNEE (complete one of the following)
<ul> <li>[X] the entire right, title and interest</li> <li>[] an undivided percent (%) interest for the United States and its territorial possessions</li> </ul>
(check the following box if foreign rights are also to be assigned)
[X] and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:
ALUMINUM PHOSPHATE BASED MICROSPHERES
(check and complete (a), (b), (c) or (d))
and which is found in
<ul> <li>(a) [] U.S. patent application executed on even date herewith</li> <li>(b) [] U.S. patent application executed on</li></ul>
[] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(also check (e) if foreign application(s) is also being assigned)
(e) [] and any legal equivalent thereof in a foreign country, including the right to claim priority
and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said

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PATENT REEL: 019001 FRAME: 0729 Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand the date indicated below.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Signature of ASSIGNOR(S)

02/13/2007 (Date)

K Kastruni rangan. Krishnaswamy K. Rangan