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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office) To

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Attorney's Docket No. 033018-039

To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Seetharama C. Deevi Additional name(s) of conveying party(ies) attached? [] Yes [X] No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name Other: Execution Date: November 28, 2001	2. Name and address of receiving party(ies): Name: CHRYSALIS TECHNOLOGIES
 Application number(s) or patent number(s): If this document is being filed together with a new application, the A. Patent Application No.(s) 09/660,962 	B. Patent No.(s)
Additional numbers attached? [] Yes [X] No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: ONE
Name: Peter K. Skiff Address: Burns, Doane, Swecker & Mathis, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404	7. Total fee (37 CFR § 3.41): \$ 40.00 [] Enclosed [X] Authorized to be charged to deposit account, if necessary 8. Deposit account number: 02-4800
DO NOT USE THIS SPACE	
9. 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. Peter K. Skiff Name of Person Signing December 4, 2001 Signature Total number of pages including cover sheet, attachments, and document: 4	

Mail documents to be recorded with required cover sheet information to:

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VOCEVOES

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

> PATENT REEL: 012338 FRAME: 0855

ASSIGNMENT (SOLE)

THIS ASSIGNMENT, by <u>Seetharama C. Deevi</u> (hereinafter referred to as "the Assignor"), residing at <u>8519 Whirlaway Drive</u>, <u>Midlothian</u>, <u>Virginia 23113</u>, respectively, witnesseth:

WHEREAS, the Assignor has made certain new and useful inventions in NANOCRYSTALLINE INTERMETALLIC POWDERS MADE BY LASER EVAPORATION set forth in an application for Letters Patent of the United States of America, [] having an oath or declaration executed on even date herewith; [X] bearing Serial No. 09/660,962, and filed on September 13, 2000; and

WHEREAS, CHRYSALIS TECHNOLOGIES, INCORPORATED, a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 2001 Walmsley Boulevard, Richmond, Virginia, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

ASSIGNMENT OF UNITED STATES PATENT RIGHTS

I do hereby sell, assign and transfer unto CHRYSALIS TECHNOLOGIES, INCORPORATED, its successors, assigns and legal representatives, all right, title, and interest in and to the inventions, for the United States, and in and to the United States patent application, including any continuations and divisions thereof, and any substitute applications therefor and any United States patents which may issue thereon and any reissues and extensions of the same; and I hereby authorize and request the Commissioner of Patents to grant and issue any and all patents on the inventions in the United States to CHRYSALIS TECHNOLOGIES, INCORPORATED as the assignee thereof.

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ASSIGNMENT OF FOREIGN PATENT RIGHTS

Further in view of the consideration hereinabove referred to, I do hereby sell, assign, and transfer unto CHRYSALIS TECHNOLOGIES, INCORPORATED, its successors, assigns and legal representatives, all right, title and interest in and to the inventions for all countries foreign to the United States, including the right to claim priority under the International Convention based on the United States patent application, and in and to any foreign patent application, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any foreign patents which may issue thereon, and any reissues and extensions of the same; and I hereby authorize and request competent authorities to grant and issue any and all patents on the inventions in any foreign country to CHRYSALIS TECHNOLOGIES, INCORPORATED as the assignee thereof.

I further agree to execute upon request of the assignee CHRYSALIS TECHNOLOGIES, INCORPORATED such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in the United States, and to execute upon request of assignee CHRYSALIS TECHNOLOGIES, INCORPORATED such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in countries foreign to the United States, and to otherwise give full effect to and perfect the rights of the assignee CHRYSALIS TECHNOLOGIES, INCORPORATED in the United States and of assignee CHRYSALIS TECHNOLOGIES, INCORPORATED in countries foreign to the United States.

AND for the same consideration, the Assignor hereby covenants and agrees to and with the assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions and any and all applications for Letters Patent abovementioned, and that the same is unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the assignees, their successors, legal representatives, and assigns, that the Assignor will, whenever counsel of the assignees, or counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with the inventions or any and all applications for Letters Patent, or any proceeding in connection with Letters Patent for the inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for the inventions, without charge to the assignees, their successors, legal representatives, and assigns, but at the cost and expense of the assignees, their successors, legal representatives, and assigns;

My Commission Expires:

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RECORDED: 12/04/2001