#### PATENT ASSIGNMENT

#### Electronic Version v1.1 Stylesheet Version v1.1

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SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PAR	TY DATA				
		N	ame	Execution Date	
David C. Collins				06/09/2003	
Laura Kramer				06/13/2003	
RECEIVING PART	Y DATA				
Name:	ne: Hewlett-Packard Development Company, L.P.				
Street Address:	11445 Comp	aq Cent	er Drive West		
City:	Houston				
State/Country:	TEXAS				
Postal Code:	77070				
Property	/ Type		Number	]	
Property			Number		
Property Application Number		12854			
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ATTORNEY DOCKET NO. 100204709

### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

# Methods To Produce An Object Through Solid Freeform Fabrication

Ciline data	August 11, 2010		
Filing date:	August 11, 2010		
		Application No.:	12/854589

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters

I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, 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 me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a 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 invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

N WITNESS WHEREOF	. I/we hereunto set my/our hand(s) and a	seal(s): 9 June 2003
	Collins Date Application	
State of	1	
County of	) 85.3 }	
Before me this day of personally known or proved to m instrument of assignment to be his/	e on the basis of satisfactory svidence to be there are and deed.	id C Collins who is ne person who acknowledged the foregoing
		Notary Public
		My commission expires:
Roy 05/03 (Xosign) (Us	ia Paga Two For Additional Inventor(s) Signature(s))	Page 1 of 2

#### PATENT REEL: 026651 FRAME: 0945

ATTORNEY DOCKET NO. 100204709-

#### ASSIGNMENT OF PATENT APPLICATION (cont.)

# IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s);

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Inventor's Typed Name: Law	sræ Krøsssær	Date Application Signed: 6/13/03
State of	Y	
County of	) ss.: )	
Before me this dat personally known or prover instrument of assignment to	y of, p d to me on the basis of satis be his/her free act and dead.	rsonally appaared <u>Laure Kramer</u> who is factory evidence to be the person who acknowledged the foregoing
		Notery Public
		My commission expires
		18 Assistment Singed
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Inventor's Typed Name: State of County of Before me this day personally known or proved	) ) ss.; ) of per to me on the basis of satisf	My commission explores:  A Assignment Signed:  Date Application Signed:  Sonally appeared

### PATENT REEL: 026651 FRAME: 0946

**RECORDED: 07/26/2011**