

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PAUL J. AUSBECK JR.	01/27/2005
RECEIVING PARTY DATA		
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City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95131	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12236290	
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DATE SIGNED:	12/28/2015	
Total Attachments: 2		
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United States Patent Application
Attorney Docket No.: 028.0003
First Named Inventor: Paul J. Ausbeck Jr.

ASSIGNMENT

WHEREAS, the undersigned Inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

**METHOD AND APPARATUS FOR PRODUCING ONE-DIMENSIONAL
SIGNALS WITH A TWO-DIMENSIONAL POINTING DEVICE**

for which application for Letters Patent of the United States:

☒ has been executed on even date herewith;

☐ executed on September 23, 2008;

☐ was filed on September 23, 2008 and assigned U.S. Application Serial No. 12/236,290;

AND WHEREAS, SYNAPTICS INCORPORATED, a ☒ corporation; ☐ partnership; individual ☐ having a place of business at SAN JOSE, CA (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing

and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

EXECUTED as of the date(s) written below by ASSIGNOR:

Paul J. Ansbeck Jr.
Inventor's Signature

Date: 11/27/05

Paul J. Ansbeck Jr.
Paul J. Ansbeck Jr.