Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FO	
	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
	Name: Texas Instruments Incorporated
Steven Edward Smith Patrick Rene Destain	Internal Address:
Execution Date(s) <u>Smith-07/01/2008; Destain-08/04/2008</u> Additional name(s) of conveying party(ies) attached?	Street Address: P.O. Box 655474, M/S 3999
3. Nature of conveyance:	City: Dallas
X Assignment Merger	State: Texas
Security Agreement Change of Name	Country: US Zip: 75265
Government Interest Assignment	
Executive Order 9424, Confirmatory License	
	Additional name(s) & address(es) attached? Yes X No
A. Patent Application No.(s) 12/165,902 Additional numbers at	B. Patent No.(s) tached? Yeş X No
 Name and address to whom correspondence concerning document should be mailed: Name: Charles A. Brili 	6. Total number of applications and patents involved:
	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address:	Authorized to be charged by credit card
	X Authorized to be charged to deposit account
Street Address: Customer No. 23494	
City:	None required (government interest not affecting title)
State: Zip;	8. Payment Information
Phone Number: 972-917-5290	a Cradit Card Last 4 Numbers
Fax Number: <u>972-917-4418</u>	a. Credit Card Last 4 Numbers Expiration Date
Ernail Address:	b. Deposit Account Number 20-0668
\sim	Authorized User Name Ira S. Matsil
a signature	A 40 7000
9. Signature: V J Signature	August 6, 2008 Date
	Total number of pages including cover sheet, attachments, and documents; 3
Ira S. Matsil, Reg. No. 35,272 Name of Person Signing	eneet, attacimenta, and documenta,

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450 • •

PATENT REEL: 021352 FRAME: 0520

Attorney Docket No. TI-64894

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M.S. 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuatione, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF. I hercunto set hand and seal this day and year;			
TITLE OF INVENTION	Integrated Asphere Design for Display		
SIGNATURE OF INVENTOR AND NAME	(1) Steven Edward Smith	(2) Patrick Rene Destain	
DATE	7-1-2008		
RESIDENCE (CITY AND STATE)	Allen, TX	Allen, TX	
DATE APPLICATION EXECUTED	7-1-2008		

After recording, return Assignment to:

Charles A. Brill Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dallas, TX 75265

> PATENT REEL: 021352 FRAME: 0521

Atturney Docket No. TI-64894

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M.S. 3999, Dellas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting thereform, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

TITLE OF INVENTION	REOF, I hereunto set hand and seal this day and year: Integrated Asphere Design for Display	
SIGNATURE OF INVENTOR AND NAME	(1) Steven Edward Smith	Patrick Rene Destain
DATE RESIDENCE (CITY AND STATE)		3rR Avgust Zao8
DATE APPLICATION EXECUTED	Allen, TX	Allen, TX ' 4th Audur 2 X

After recording, return Assignment to:

Charles A. Brill U Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dellas, TX 75265

RECORDED: 08/06/2008