	04-11-2	2003			
		U.S. Department of Commerce Patent and Trademark Office	01/03		
	To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
	 Name of conveying party(ies): KATLA, Sreekantha Madhava PRASAD, Vikas K. BHOWMIK, Suravi SHAH, Kalpesh Amruthlal TEXAS INSTRUMENTS (INDIA) PRIVATE LIMITED Additional name(s) of conveying party(ies) attached? □ yes ⊠ no Nature of Conveyance: 	 2. Name and address of receiving party(ics): Name: Texas Instruments Incorporated Street Address: P. O. Box 655474, MS 3999 City: Dallas State: Texas Zip Code: 75265 Country: U.S.A. Additional name(s) & address(es) attached? □ yes ⊠ no 	•		
	Execution Date(s):3/25/2003; 3/28/2003 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is 3/28/2003.				
	A. Patent Application No(s).	B. Patent No(s).			
	Additional numbers attached?				
	 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved			
	Name: Mr. Alan Stewart Address: Texas Instruments Incorporated	7. Total fee (37 C.F.R. § 3.41)\$ <u>40.00</u>			
	P.O. Box 655474, MS 3999 Dallas, Texas 75265 (972) 917-5466 (Phone)	[] Enclosed [x] Authorized to be charged to Deposit Account			
04/10/2003 TBI		8. Deposit Account Number: 20-0668			
01 FC:8021	40.00 CH	Attorney Docket No. TI-32656			
\setminus	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.				
	Narendra Reddy Thappeta Name of Person Signing Registration Number 41,416	Total number of pages including cover sheet, attachments and document <u>10</u>			
	Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231				

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ASSIGNMENT

WHEREAS, the below named inventor(s) (hereinafter INVENTOR) is the inventor or an inventor of an invention for which a U.S. patent application has been filed as set forth below, and made the said invention in the course of employment by TEXAS INSTRUMENTS (INDIA) PRIVATE LIMITED, a company organized of according to the laws of India, having an office at Golf View Homes, Wind Tunnel Road, Murugeshpalaya, Bangalore 560 017, India, hereinafter (TIIN);

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, Mail Station 3999, Dallas, Texas 75251, USA, is desirous of acquiring our entire right, title interest in and to the said invention outside of India, and in 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, by this Assignment, TIIN and INVENTOR sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and in all other countries outside India; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

TIIN and INVENTOR hereby authorize and request the Commissioner of Patents to issue all U.S. patents for said invention, or patents resulting therefrom, insofar as our interest is concerned to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of the entire right, title and interest.

TIIN and INVENTOR further agree to communicate to TEXAS INSTRUMENTS INCORPORATED or to its successors, assigns and legal representatives, any facts known to them respecting the said invention, and at the expense of TEXAS INSTRUMENTS INCORPORATED, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally everything possible to said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside India.

PATENT REEL: 013931 FRAME: 0581 <u>TIIN-32656</u> Assignment Page 2 of 3

I here	by authorize and request my attorney, Narendra Reddy Thappeta,			
Esq., Regist	ration Number 41,416, to insert here in parenthesis (application			
number	, filed:) of said application			
when known.				
Title of Invention: "Reducing Time to Measure Constraint Parameters of Components in an Integrated Circuit"				
Inventor(s): S	Breekantha Madhava KATLA			
IN WITNESS WHEREOF, this Agreement has been executed as set forth below:				
Signed at:	Bangalore, India on /2003			
(Month/Day/Year) by Texas Instruments (India) Private Limited				
Name:	Dr. Biswadip Mitra			
Title:	Managing Director			
Signature:				
and by the INVENTOR(S):				
Name:	Sreekantha Madhava KATLA			
Signature:	K.M. Shukan Ox			
Address:	<u>Flat No. 309, First Block, Keerthi Manor Apartment, G M Palya Main Road, New Tippasandra, Bangalore, Karnataka, INDIA-560 075</u>			
Date:	0_3/25 /2003 (Month/Day/Year)			

<u>TIIN-32656</u> Assignment Page 3 of 3	
Name:	Vikas K. PRASAD
Signature:	
Address:	<u>87, AG's Colony, 5th Main Road</u> Anandanagar, Bangalore, Karnataka, India - 560024
Date:	/2003 (Month/Day/Year)
Name:	Suravi BHOWMIK
Signature:	Sunais Bhownik
Address:	<u>331 Dhar House, Flat No. 1, Ground Floor</u> 7th Main, HAL II Stage, Indiranagar Bangalore, Kamataka, India – 560008
Date:	03/25 /2003 (Month/Day/Year)
Name:	Kalpesh Amruthlal SHAH
Signature:	K.A-8
Address:	<u>1159,2nd Cross, 1st Block</u> HAL 3rd Stage, Bangalore, Karnataka, INDIA-560 075

Date: 03 / 25 /2003 (Month/Day/Year)

ASSIGNMENT

WHEREAS, the below named inventor(s) (hereinafter INVENTOR) is the inventor or an inventor of an invention for which a U.S. patent application has been filed as set forth below, and made the said invention in the course of employment by TEXAS INSTRUMENTS (INDIA) PRIVATE LIMITED, a company organized of according to the laws of India, having an office at Golf View Homes, Wind Tunnel Road, Murugeshpalaya, Bangalore 560 017, India, hereinafter (TIIN);

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, Mail Station 3999, Dallas, Texas 75251, USA, is desirous of acquiring our entire right, title interest in and to the said invention outside of India, and in 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, by this Assignment, TIIN and INVENTOR sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and in all other countries outside India; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

TIIN and INVENTOR hereby authorize and request the Commissioner of Patents to issue all U.S. patents for said invention, or patents resulting therefrom, insofar as our interest is concerned to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of the entire right, title and interest.

TIIN and INVENTOR further agree to communicate to TEXAS INSTRUMENTS INCORPORATED or to its successors, assigns and legal representatives, any facts known to them respecting the said invention, and at the expense of TEXAS INSTRUMENTS INCORPORATED, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally everything possible to said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside India.

I herel	by authorize and request my attorney, Narendra Reddy Thappeta,			
Esq., Registi	ration Number 41,416, to insert here in parenthesis (application			
number	, filed:) of said application			
when known.				
Title of Invention: "Reducing Time to Measure Constraint Parameters of Components in an Integrated Circuit"				
Inventor(s): S	Sreekantha Madhava KATLA			
IN WITNESS WHEREOF, this Agreement has been executed as set forth below:				
Signed at:	Bangalore, India on /2003			
by Texas Instruments (India) Private Limited (Month/Day/Year)				
Name:	Dr. Biswadip Mitra			
Title:	Managing Director			
Signature:				
and by the INVENTOR(S):				
Name:	Sreekantha Madhava KATLA			
Signature:				
Address:	<u>Flat No. 309,First Block, Keerthi Manor Apartment, G M Palya Main Road, New Tippasandra, Bangalore, Karnataka, INDIA-560</u> 075			
Date:	/2003 (Month/Day/Year)			

TIIN-32656 Assignment Page 3 of 3

Name:	Vikas K. PRASAD
Signature:	Industali

Address: <u>87, AG's Colony, 5th Main Road</u> Anandanagar, Bangalore, Karnataka, India - 560024

Date: ____

03/28/2003 (Month/Day/Year)

Name: Suravi BHOWMIK

Signature:

Address: <u>331 Dhar House, Flat No. 1, Ground Floor</u> 7th Main, HAL II Stage, Indiranagar Bangalore, Karnataka, India – 560008

Date:

/2003 (Month/Day/Year)

Name: Kalpesh Amruthlal SHAH

Signature:

Address: <u>1159,2nd Cross, 1st Block</u> HAL 3rd Stage, Bangalore, Karnataka, INDIA-560 075

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Date: /2003 (Month/Day/Year)

> PATENT REEL: 013931 FRAME: 0586

RECORDED: 04/01/2003