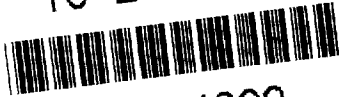


U.S. Department of Commerce
Patent and Trademark Office
PATENT

10-23-2000



101494392

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Conveyance Type

☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☐ Other

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☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) Hugh McAdams

Execution Date Month Day Year 01/06/97

Second Party

Name (line 1)

Name (line 2)

Execution Date Month Day Year

5859807

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Texas Instruments, Incorporated

Name (line 2)

Address (line 1) 13500 North Central Expressway

Address (line 2)

Address (line 3) Dallas TX 75265

City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Page 2

U.S. Department of Commerce
Patent and Trademark Office

PATENT

Correspondent Name and Address

Area Code and Telephone Number 214/651-5262

Name David M. O'Dell

Address (line 1) Haynes and Boone, LLP

Address (line 2) 901 Main Street

Address (line 3) Suite 3100

Address (line 4) Dallas, TX 75202

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Enter the total number of pages of the attached conveyance document
including any attachments.

1

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

5,859,807

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

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1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Deposit Account

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Deposit Account Number:

08-1394

Authorization to charge additional fees:

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No

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David M. O'Dell

Name of Person Signing

Signature

Date

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40-58608 U.S. PTO
08/847350
04/24/97

MRD 04-24-97 A/D
PATENT
DOCKET NUMBER: 5774.32.02

1. Name of conveying party(ies):

Hiroshi Otori
Takesada Akiba
Goro Kitsukawa
Hugh McAdams

2. Name and address of receiving party:

Hitachi Ltd.
New Marunouchi Building
5-1 Marunouchi 1-chome
Chiyoda-ku, Tokyo 100, JAPAN

Additional name(s) & address(es) attached?
____ Yes XXX No

3. Nature of conveyance: XXX Assignment

Execution Date: January 6, 1997

4. Application or patent number(s):

If this document is being filed together with a new application, the execution date of the application is
January 6, 1997.

A. Patent Application No.(s):

B. Patent No.(s):

5. Name and address of party to whom
correspondence concerning document should
be mailed:

David L. McCombs
Haynes and Boone, L.L.P.
3100 NationsBank Plaza
901 Main Street
Dallas, TX 75202-3789

6. Total number of applications and patents
involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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____ Authorized to be charged to deposit account

8. Deposit account number: 08-1394
(Duplicate copy of this sheet is attached)

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David L. McCombs

1-13-97
Date

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Washington, D. C. 20231

d-376987.1

PATENT
REEL: 011164 FRAME: 0150

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 and filed herewith; and

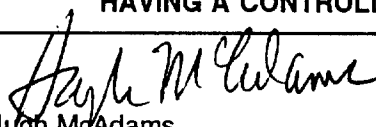
WHEREAS, Texas Instruments, Incorporated (TI), with its principal office at 13500 North Central Expressway, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the invention, and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to TI, its successors and assigns, my entire right, title and interest in and to the invention and in to the 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 therefrom, insofar as my interest is concerned, to TI, as assignee of my entire right, title and interest.

I also hereby sell and assign to TI, 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 TI, or to its successors, assigns, and legal representatives, any facts know to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawfully papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid TI, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year:

TITLE OF INVENTION	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING A CONTROLLED OVERDRIVING CIRCUIT	
INVENTOR SIGNATURE AND DATE	 Hugh McAdams	1/6/97 Date
RESIDENCE (City, State)	McKinney, TX	

d-369432.1

70608 U.S. PTO

08/847350

04/24/97

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 and filed herewith; and

WHEREAS, HITACHI LTD., of Japan, with its principal office at the New Marunouchi Building, 5-1 Marunouchi 1-chome, Chiyoda-ku, Tokyo 100, JAPAN, is desirous of acquiring my entire right, title and interest in and to the invention, and to the 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 HITACHI LTD., its successors and assigns, my entire right, title and interest in and to the invention and in to the 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 therefrom, insofar as my interest is concerned, to HITACHI LTD., as assignee of my entire right, title and interest.

I also hereby sell and assign to HITACHI LTD., 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 HITACHI LTD., or to its successors, assigns, and legal representatives, any facts know to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawfully papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid HITACHI LTD., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year:

TITLE OF INVENTION	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING A CONTROLLED OVERDRIVING CIRCUIT	
INVENTOR SIGNATURE AND DATE	Hiroshi Otori <i>Hiroshi Otori</i>	Dec. 23, 1996 Date
INVENTOR SIGNATURE AND DATE	Takesada Akiba <i>Takesada Akiba</i>	Dec. 23, 1996 Date
INVENTOR SIGNATURE AND DATE	Goro Kitsukawa <i>Goro Kitsukawa</i>	Dec. 23, 1996 Date
RESIDENCE (City, State)	all of Tokyo, Japan	

d-369432.1

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 and filed herewith; and

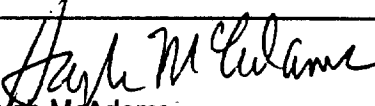
WHEREAS, Texas Instruments, Incorporated (TI), with its principal office at 13500 North Central Expressway, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the invention, and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to TI, its successors and assigns, my entire right, title and interest in and to the invention and in to the 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 therefrom, insofar as my interest is concerned, to TI, as assignee of my entire right, title and interest.

I also hereby sell and assign to TI, 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.

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TITLE OF INVENTION	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING A CONTROLLED OVERDRIVING CIRCUIT	
INVENTOR SIGNATURE AND DATE	 Hugh McAdams	1/6/97 Date
RESIDENCE (City, State)	McKinney, TX	

d-369432.1