8/29/02

OMB No. 0651-0027 (exp. 5/31/2002)

(Rev. 03/01)

09-05-2002



Reference: 1076.41895X00

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

102212642

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. I. Name of conveying party(les) KENT, DAVID Additional name(s) of correcying party(les) attached? Yes No Name: HITACHI, LTD. Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No Additional name(s) of conveying party(ies) attached? Yes No	To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
Additional name(s) of conveying party(ies) attached?		
Internal Address: 6. Kanda Surugadai 4-chome, Chiyoda-ku Street Address: 6. City: Tokyo, JAPAN State 7-pip: ———————————————————————————————————		, , , , , , , , , , , , , , , , , , ,
Address: 6. Kanda Surugadai 4-chome, Chiyoda-ku Street Address: City: Tokyo, JAPAN State Other	Additional name(s) of conveying party(les) attached? L. Yes 🖾 No	,
Street Address: City: Tokyo, JAPAN States City: Tokyo		
3. Nature of conveyance: Assignment		
3. Nature of conveyance: Assignment		Street Address:
3. Nature of conveyance: Assignment		City: Tokyo IAPAN State: — Zin:
Assignment		
Security Agreement	Nature of conveyance:	Other
Security Agreement	_	
Change of Name Cha	l ·	AUG 2 9 2002
Additional name(s) & address(es) attached? Additional name(s) & address(es) attached? Yes No A 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: B. Patent Application No.(s) 10/193,117, filed July 12, 2002 Additional number(s) attached Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Tarry, Stout & Kraus, LLP Internal Address: Internal Addre	☐ Security Agreement ☐ Change of Name	3 3
Additional name(s) & address(es) attached? Additional name(s) & address(es) attached? Yes No A 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: B. Patent Application No.(s) 10/193,117, filed July 12, 2002 Additional number(s) attached Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Tarry, Stout & Kraus, LLP Internal Address: Internal Addre	☐ Other	
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: A. Patent Application No.(s) 10/193,117, filed July 12, 2002 Additional number(s) attached □ Yes ☒ No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonellit, Terry, Stout & Kraus, LLP Name: Antonellit, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)		P. A. A. B. C.
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: A. Patent Application No.(s) 10/193,117, filed July 12, 2002 Additional number(s) attached □ Yes ☒ No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonellit, Terry, Stout & Kraus, LLP Name: Antonellit, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)	Execution Date: July 24, 2002.	ADEMBU
If this document is being filed together with a new application, the execution date of the application is:		Additional name(s) & address(es) attached? ☐ Yes ☒ No
A Patent Application No.(s) 10/193,117, filed July 12, 2002 Additional number(s) attached Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP Name: Antonelli, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)		
Additional number(s) attached 9es No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP Internal Address: Internal A	If this document is being filed together with a new application, the	execution date of the application is:
Additional number(s) attached	A. Patent Application No.(s)	B. Patent Registration No.(s)
Additional number(s) attached	10/102 117 filed July 12, 2002	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)	10/193,117, filed July 12, 2002	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)		
Concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP		
Name: Antonelli, Terry, Stout & Kraus, LLP 7. Total fee (37 CFR 3.41)	, ,	6. Total number of applications and patents involved.
Internal Address: 1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Do Rot Use This space Signature Date Total number of pages including cover sheet, attachments, and document: 2	concerning document should be mailed.	o. Total manipol of applications and paterns involved [1]
Internal Address: 1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Do Rot Use This space Signature Date Total number of pages including cover sheet, attachments, and document: 2		
Internal Address: Authorized to be charged to deposit account	Name: Antonelli, Terry, Stout & Kraus, LLP	7. Total fee (37 CFR 3.41) \$40.00
Internal Address: Authorized to be charged to deposit account		⊠ Enclosed
Authorized to be charged to deposit account 1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:		El Cholosed
1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 2	Internal Address:	Authorized to be charged to deposit account
Suite 1800 Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 2	1200 North Coventeenth Ctreet	
Arlington, VA 22209 USA City: State: Zip: 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:		0 B !
City: State: Zip: DO NOT USE THIS SPACE		8. Deposit account number:
City: State: Zip: DO NOT USE THIS SPACE		
City: State: Zip: (Attach duplicate copy of this page if paying by deposit account) 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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:		01-2135
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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 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. Signature Date	City: State: Zio:	
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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Total number of pages including cover sheet, attachments, and document: Do NOT USE THIS SPACE 08/29/2002 08/29/2002	· · · · · · · · · · · · · · · · · · ·	(Attach duplicate copy of this page if paying by deposit account)
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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Total number of pages including cover sheet, attachments, and document: Total number of pages including cover sheet, attachments, and document:		
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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:	DO NOT USE THIS SPACE	
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. Carl I. Brundidge, Reg# 29,621 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:	9. Statement and signature	
Carl I. Brundidge, Reg# 29,621 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 2		
Carl I. Brundidge, Reg# 29,621 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 2		
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 2	oop) of the original document.	
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 2	Carl I. Brundidge, Reg# 29,621	08/29/2002
Total number of pages including cover sheet, attachments, and document: 2		
	Name of Person Signing Signature	Date
	/	

Mail documents to be recorded with required cover sheet information to Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

08/30/2002 SSITHIB1 00000077 10193117

01 FC:581

40.00.00

Docket No

RECORDED: 08/29/2002

ASSIGNMENT

In consideration of the premises and other hereby acknowledged, the undersigned,	good and valuable consideration in hand paid, the receipt and sufficiency of which is	
(1)	(4)(5)(6)	
who have made a certain new and useful invention, hereby sell, assign and transfer unto		
Hitachi Limited		
Chiyoda-ku, Tokyo 101-8010		
qaban		
its successors and assigns (hereinafter designated "defined in 35 U.S.C. 100 in the invention entitled COMPUTER SYSTEM COMPONENT	ASSIGNEE") the entire right, title and interest for the United States of America as	
(a) for which an application for United States Lette and identified by United States Serial No.:;		
(b) for which an application for United States Letter	rs Patent was executed on,	
States Letters Patent which may be granted therefor or continuations-in-part thereof, and the right to all	e United States Commissioner of Patents and Trademarks to issue any and all United r and any and all extensions, divisions, reissues, substitutes, renewals, continuations, benefits under the International Convention for the Protection of Industrial Property EE, its successors, assigns and legal representatives; the undersigned agree that the ract on behalf of said ASSIGNEE;	
and obtaining original, divisional, reissued or extersuccessors, assigns and legal representatives, and w based thereon, growing out of or related to the said	nsfer a like interest, and to render all necessary assistance in making application for nded Letters Patent of the United States, upon request of the said ASSIGNEE, its ithout further remuneration, in and to any improvements, and applications for patent invention; and to execute any papers by the said ASSIGNEE, its successors, assigns GNEE's full protection and title in and to the invention hereby transferred.	
SIGNED on the dates indicated aside our signatures:	:	
INVENTORS 1)	DATE SIGNED 24 12 July 2002.	
Name: David Kent		