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-	103022183	Attorne	Attorney's Docket No. 009683-538		
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Name of conveying party(ies): Hideyuki NODA and Katsumi DO	Na	me and address of rec ame: Renesas Tech		U.S. PTO 8320	
Additional name(s) of conveying party(ies) atta 3. Nature of conveyance: X Assignment	ached? Tyes X No Ad	ldress: 1, Marunouchi 2-chome	e, Chiyoda-ku, Tok	9/6/211 Syo 100-6334 Japar	
Application number(s) or patent numb If this document is being filed together —— A. Patent Application No.(s)	with a new application, the exe	Additional name(s) & addecution date of the application		☐ Yes 🔀 No , 2005	
		Yes 🔀 No			
Name and address of party to whom concerning document should be maile		al number of application	ns and patents inve	olved: 1	
Name: Ellen Marcie Emas Address: Burns, Doane, Swecker & Ma Customer Number 2 1 8 3 9 P.O. Box 1404	ithis, L.L.P.	al fee (37 CFR 3.41) ☐ Enclosed ☑ Authorized to be ch ☑ Credit card. Form	harged to deposit a		
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9. Statement and Signature. To the best of my knowledge and belied of the original document. Ellen Marcie Emas	f, the foregoing information is true	de and correct and any	attached copy is a	a true copy June 9, 2005	

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Date

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ATTORNEY DOCKET NO. 009683-538

ASSIGNMENT

	Application No Filed
Insert Name(s) of Inventor(s)	→ WHEREAS, Hideyuki NODA and Katsumi DOSAKA
	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
Insert Title of Invention	Associative Memory Capable of Searching for Data while
	Keeping High Data Reliability
	for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).
Insert Date of Signing of	
Application	→ on
Insert Name of Assignee	→ WHEREAS, Renesas Technology Corp.
Insert Address of Assignee	→ of 4-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-6334 JAPAN
CHECK BOX IF APPROPRIATE	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any and all foreign countries.
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;
	and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term of terms for which the same may be granted.

PATENT REEL: 016682 FRAME: 0116 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of BURNS, DOANE, SWECKER & MATHIS, L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date .	June	3,	2005		Name of Inventor	Kideyuki hoda Hideyuki NODA
						Katsumi Dosaka Katsumi DOSAKA
Date .				•	Name of Inventor	
Date .					Name of Inventor	
Date .		<u>.</u>			Name of Inventor	
Date .				· '•	Name of Inventor	
Date .					Name of Inventor	
Date .					Name of Inventor	
Date					Name of Inventor	

RECORDED: 06/09/2005

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