### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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#### **CONVEYING PARTY DATA**

Name	Execution Date
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Makio GOTOH	07/22/2009

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12547624

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ATTORNEY DOCKET NUMBER: 1248-1113PUS1

NAME OF SUBMITTER: Charles Gorenstein

Total Attachments: 2

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> **PATENT** REEL: 023174 FRAME: 0783

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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## **ASSIGNMENT**

	12/547,624 Application No.	4 	8/26/09 Filed		
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***				
, ,	WHEREAS,	Masanori MINAMI	Makio GOTOH		
				_	
•	***	· · · · · · · · · · · · · · · · · · ·			
	(hereinafter designated as the under	rsigned) has (have) inven	ted certain new and useful improvements in		
Insert Title of Invention			3 APPARATUS, IMAGE PROCESSING METHO INTAINING IMAGE PROCESSING PROGRAM	<u>D,</u>	
	for which an application for Lette undersigned (except in the case of a		States of America has been executed by the		
Insert Date of Signing of Application	onJu	ly 22 , 2	2009 ; a	nd	
Insert Name of Assignee	WHEREAS, <u>SHARP K</u>	ABUSHIKI KAISHA			
Insert Address of Assignee	of <u>22-22, Nagaike-cho Abeno-ku C</u>	saka-shi Osaka 545-852	2 Japan		
CHECK BOX IF APPROPRIATE		interest in and to said in	nafter designated as the Assignee) is desirous of evention and in and to any Letters Patent(s) that		
	the receipt of which is hereby acknown has (have) sold, assigned and transaction Assignee the full and exclusive right dependencies and possessions and	nowledged, and other go asferred, and by these pa ght to the said invention the entire right, title and the United States of Amer	collars (\$10.00) to the undersigned in hand paid, and valuable consideration, the undersigned resents does sell, assign and transfer unto said in the United States of America, its territories, d interest in and to any and all Letters Patent(s) ica, its territories, dependencies and possessions, untries;		
	and to any and all divisions, reissurterms for which the same may be gr		sions and extensions thereof for the full term or		

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PATENT REEL: 023174 FRAME: 0784

Attorney Docket No. 1248-1113PUS1

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 Assignce 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 Letter 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) and 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 Birch, Stewart, Kolasch & Birch, LLP 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	July 22, 2009	Name of Inventor Mosamori Minami
		(signature) Masanori MINAMI
Date	July 22, 2009	Name of Inventor Makio Lotoh
		(signature) Makio GOTOH

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RECORDED: 09/01/2009

February 2002