PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Makoto HAYASAKI	03/16/2010

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	22-22, Nagaike-cho Abeno-ku
City:	Osaka-shi Osaka
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12752503

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NAME OF SUBMITTER: Charles Gorenstein

Total Attachments: 2

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> PATENT REEL: 024186 FRAME: 0313

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

	Application No. 12/752,503	Filed 4/1/2010
insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***	
	WHEREAS, Makoto HAYASAKI	· · · · · · · · · · · · · · · · · · ·
	(hereinafter designated as the undersigned) has (have) invented certain new	and useful improvements in
Insert Title of Invention	PORTABLE TERMINAL APPARATUS, IMAGE OUTPUT APP PROCESSING SYSTEM, AND RECORDING MEDIUM	ARATUS, CAPTURED IMAGE
	for which an application for Letters Patent of the United States of Ameundersigned (except in the case of a provisional application).	erica has been executed by the
Insert Date of Signing of Application	onMarch 16,2010	; and
Insert Name of Assignee	WHEREAS, SHARP KABUSHIKI KAISHA	
Insert Address of Assignee	of 22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan	
СНЕСК ВОХ	its heirs, successors, legal representatives and assigns (hereinafter designate acquiring the entire right, title and interest in and to said invention and in may be granted therefor in the United States of America and in any foreign countries.	
IF APPROPRIATE	NOW THEREFORE is consideration of the own of Ton Dolland (\$10.00)	
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) the receipt of which is hereby acknowledged, and other good and valuable has (have) sold, assigned and transferred, and by these presents does set Assignee the full and exclusive right to the said invention in the United Stependencies and possessions and the entire right, title and interest in and which may be granted therefor in the United States of America, its territoricand if the box above is designated, in any and all foreign countries;	e consideration, the undersigned l, assign and transfer unto said states of America, its territories, to any and all Letters Patent(s)
	and to any and all divisions, reissues, continuations, conversions and exten	sions thereof for the full term or

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PATENT REEL: 024186 FRAME: 0314 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 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 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 March 16, 2010,	Name of Inventor <u>Makoto</u> / † ayaaakū (signature) Makoto HAYASAKI
Date,	Name of Inventor (signature)
Date,	Name of Inventor (signature)
Date,	Name of Inventor(signature)
Date,	Name of Inventor (signature)
Date,	Name of Inventor(signature)

PATENT REEL: 024186 FRAME: 0315

February 2002

RECORDED: 04/05/2010 REEL: 0241

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