

Attorney Docket No. 040096

03-12-2004

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Conveying Party (ies): (Last, First, Middle Initial) Execution Date

First party	Name:	KINEMURA, Hiroyuki	February 20, 2004
Second party	Name:	SASADA, Motohiro	February 20, 2004
Third party	Name:	MIKI, Shigeru	February 20, 2004

Additional name(s) of conveying party(ies) attached? Yes ___ No **1079 0210**

Receiving Party (ies):

First party	Name:	SANYO ELECTRIC CO., LTD.
	Address:	5-5, Keihanondori 2-chome, Moriguchi-shi, Osaka 570-8677, Japan
Second party	Name:	
	Address:	

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

Domestic Representative Name and Address

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03/04/2004 HDEMESS1 00000071 10790210

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PATENT
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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes No
A. Patent Application No.(s) B. Patent No.(s)

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: February 20, 2004

(Do not recite both application and patent numbers.)

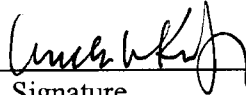
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Enter PCT application number only if PCT _____
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Number of Properties Enter the total number of properties involved: 1

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

William G. Kratz, Jr.
Name of Person Signing


Signature

March 2, 2004
Date

22,631
Registration No.

Rev. 11/00
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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

**Sanyo Electric Co., Ltd.
5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka 570-8677, Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

ELECTRONIC IMAGE PICKUP APPARATUS

(*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

* filed on _____ Serial No. _____

(Armstrong, Kratz, Quintos, Hanson & Brooks, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

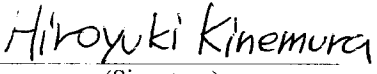
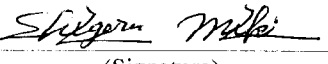
and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

	Hiroyuki KINEMURA	Feb. 20, 2004
(Signature)	(Type Name)	(Date)
MOTOHIRO SASADA	Motohiro SASADA	Feb. 20, 2004
(Signature)	(Type Name)	(Date)
	Shigeru MIKI	Feb. 20, 2004
(Signature)	(Type Name)	(Date)
_____	(Type Name)	(Date)
(Signature)	(Type Name)	(Date)
_____	(Type Name)	(Date)
(Signature)	(Type Name)	(Date)

NO LEGALIZATION REQUIRED