

Attorney Docket No. 021712

01-02-2003

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Conveyance type: Assignment Security Agreement
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Conveying Party (ies):	(Last, First, Middle Initial)	Execution Date
First party	Name: KUROKAWA, Mitsuaki	December 19, 2002
Second party	Name: TSUNODA, Hiroshi	December 19, 2002
Third party	Name: OEDA, Hideshi	December 19, 2002

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

Receiving Party (ies):

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

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

Domestic Representative Name and Address

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Pages Enter the total number of pages of the attached conveyance document: 1
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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: December 19, 2002

(Do not recite both application and patent numbers.)

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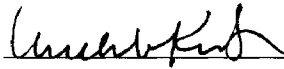
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Statement and signature

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

December 24, 2002
Date

22,631
Registration No.

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, 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)

DIGITAL CAMERA

(*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, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore 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)

<u>Mitsuaki Kurokawa</u> (Signature)	Mitsuaki KUROKAWA (Type Name)	December 19, 2002 (Date)
<u>Hiroshi TSUNODA</u> (Signature)	Hiroshi TSUNODA (Type Name)	December 19, 2002 (Date)
<u>Hideshi Oeda</u> (Signature)	Hideshi OEDA (Type Name)	December 19, 2002 (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED