
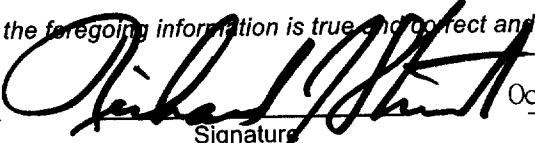


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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇌ ⇌ ⇌	REC  102268424	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): 1) MURAKAMI, Kouji 2) HAMAI, Hidetoshi Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: MITSUMI ELECTRIC CO., LTD. Internal Address: _____ Street Address: 8-8-2, Kokuryo-Cho, Chofu-Shi, Tokyo, Japan City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: October 15, 2002	4. Application number(s) or patent number(s): _____ If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) _____ B. Patent No.(s) 10/281832 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Richard J. Streit Internal Address: _____ Street Address: c/o Ladas & Parry 224 South Michigan Avenue City: Chicago State: IL Zip: 60604	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: _____ (Attach duplicate copy of this page if paying by deposit account)	
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9. 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. Richard J. Streit Name of Person Signing Reg. 25765 Signature:  Date: October 28, 2002 Total number of pages including cover sheet, attachments, and documents: 3		

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

PATENT
REEL: 013435 FRAME: 0519

UNITED STATES OF AMERICA
ASSIGNMENT

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

ASSIGNOR:

1) KOUJI MURAKAMI and 2)HIDETOSHI HAMAI
residing at each c/o KYUSHU MITSUMI CO., LTD.,
1049, Tateiwa, Izuka-Shi, Fukuoka 820-8533, Japan

hereby sells, assigns and transfers to

ASSIGNEE:

MITSUMI ELECTRIC CO., LTD. having a place of business at:
8-8-2, Kokuryo-Cho, Chofu-Shi, Tokyo, Japan

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

CHARGING CIRCUIT AND BATTERY CHARGER

which application was

☒ (a) executed by the undersigned on October 15, 2002

☐ (b) filed as Serial No. _____ on _____

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

October 15, 2002

Date

K. Murakami

INVENTOR KOUJI MURAKAMI

October 15, 2002

Date

Hidetoshi Hamai

INVENTOR HIDETOSHI HAMAI