

09-08-2004

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2386 U.S. PTO
10929471



To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Yuuji SUZUKI (08/24/2004) and Akira MATSUDA (08/20/2004)

Execution Dates: in parentheses after inventor name

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

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other
- Merger
- Change of Name

2. Name and address of receiving party(ies)

Name: Furukawa Circuit Foil Co., Ltd

Internal Address: _____

Street Address: _____

8-9, Kandanishiki-cho, 1-chome, Chiyoda-ku
Tokyo 101-0054
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

NEW

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: James M. Slattery
BIRCH, STEWART, KOLASCH & BIRCH,
LLP

Internal Address: Atty. Dkt.: 1774-0114PUS1

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City: Falls Church

State: VA Zip: 22040-0747

Phone Number: (703) 205-8000

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Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____
Authorized User Name _____

9. Signature.

James M. Slattery
Signature

August 31, 2004
Date

James M. Slattery - 28,380
Name of Person Signing

#43,368

Total number of pages including cover sheet, attachments, and documents:

3

JMS/smt

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U.S. ASSIGNMENT

WHEREAS:

Yuuji SUZUKI and Akira MATSUDA whose full post office address(es) is/are,
c/o FURUKAWA CIRCUIT FOIL CO., LTD
601-2, Otorozawa, Imaichi-city, Tochigi-ken 321-2336 Japan,
(hereinafter referred to as ASSIGNOR), has/have invented certain new and useful improvements in an invention entitled:

METHOD OF PRODUCING ULTRA-THIN COPPER FOIL WITH CARRIER, ULTRA-THIN COPPER ~~KE~~ FOIL WITH CARRIER PRODUCED BY THE SAME, PRINTED CIRCUIT BOARD, MULTILAYER PRINTED~~EXR&MXX~~ CIRCUIT BOARD AND CHIP ON FILM CIRCUIT BOARD

- (a) for which an application for United States Letters Patent is being executed and filed concurrently herewith;
- (b) for which an application for United States Letters Patent was executed on August 24, 2004 and August 20, 2004; respectively
- (c) for which an application for United States Letters Patent was filed on August 31, 2004,
Serial No. NEW;
- (d) for which an PCT International application was filed on _____ as International application No. _____.

WHEREAS:

FURUKAWA CIRCUIT FOIL CO., LTD
8-9, Kandnishiki-cho 1-chome, Chiyoda-ku, Tokyo 101-0054
Japan
(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patent of the United States and any official of any foreign country whose duty it is to issue patents of legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

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 application, said invention and said Letters Patent and legal equivalents in foreign countries 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 representative 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 in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/WE have hereunto set hand and signed on the date indicated below:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
1) <u>(Yuuji Suzuki)</u>	<u>(2004.8.24)</u>	<u>(Yuuji Suzuki)</u>
Yuuji SUZUKI		
2) <u>(Akira Matsuda)</u>	<u>(2004.8-20)</u>	<u>(Akira Matsuda)</u>
Akira MATSUDA		