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07-24-1998

PATENT  
DOCKET NUMBER: 22397.85

RECORD



PATENTS

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof:

1. Name of conveying party(ies):

Ivan Herman Murzin  
Toshiyuki Sakuma  
Ajay Tapiawala

2. Name and address of receiving party:

Ball Semiconductor, Inc.  
415 Century Parkway  
Allen, TX 75013

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

3. Nature of conveyance: XXX Assignment

Execution Date: \_\_\_\_\_

4. Application or patent number(s):

A. Patent Application No.(s):

B. Patent No.(s):

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

David L. McCombs  
Haynes and Boone, L.L.P.  
3100 NationsBank Plaza  
901 Main Street

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

X Enclosed  
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8. Deposit account number: 08-1394  
(Duplicate copy of this sheet is attached)

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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.

*David M. O'Dell*  
David M. O'Dell

7-10-98  
Date

Total number of pages including cover sheet, attachments and document: 3

Mail document(s) to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
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a-70213.1

PATENT  
REEL: 9325 FRAME: 0333

**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made and filed herewith; and

WHEREAS, Ball Semiconductor, Inc. a Texas Corporation having a place of business at 415 Century Parkway, Allen, Texas 75013 (hereinafter called Ball Semiconductor), is desirous of acquiring my entire right, title and interest in and to the invention, and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to Ball Semiconductor, its successors and assigns, my entire right, title and interest in and to the invention and in to the application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to Ball Semiconductor, as assignee of my entire right, title and interest.

I also hereby sell and assign to Ball Semiconductor, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to Ball Semiconductor, or to its successors, assigns, and legal representatives, any facts know to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawfully papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid Ball Semiconductor, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	<b>METHOD AND APPARATUS FOR BLANKET ALUMINUM CVD ON SPHERICAL INTEGRATED CIRCUITS</b>
INVENTOR SIGNATURE AND NAME	Ivan Herman Murzin
DATE	
RESIDENCE (City, State)	2934 Beltline Road, Ap. 704 Garland, Texas 75044

TITLE OF INVENTION	<b>METHOD AND APPARATUS FOR BLANKET ALUMINUM CVD ON SPHERICAL INTEGRATED CIRCUITS</b>
INVENTOR SIGNATURE AND NAME	Toshiyuki Sakuma
DATE	
RESIDENCE (City, State)	2-3-3- Ohizumigakuencho, Nerima-ku Tokyo 178---61 Japan

TITLE OF INVENTION	<b>METHOD AND APPARATUS FOR BLANKET ALUMINUM CVD ON SPHERICAL INTEGRATED CIRCUITS</b>
INVENTOR SIGNATURE AND NAME	Ajay Tapiawala
DATE	
RESIDENCE (City, State)	

a-70210.1