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PATENT  
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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)

Roger Privitt  
Akira Ishikawa  
Takashi Kanatake

## 2. Name and address of receiving party:

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

Additional name(s) &amp; address(es) attached?

Yes XXX No

3. Nature of conveyance: XXX AssignmentExecution Date: December 7, 1998

## 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 M. O'Dell  
Haynes and Boone, L.L.P.  
3100 NationsBank Plaza  
901 Main Street  
Dallas, TX 75202-6789

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

X Enclosed

Authorized to be charged to deposit account

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

1-18-99  
Date

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

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

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PATENT

REEL: 9726 FRAME: 0885

**ASSIGNMENT**

WHEREAS, we, the undersigned 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


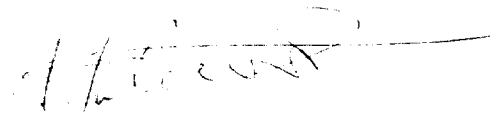
WHEREAS, Ball Semiconductor, Inc. a Texas Corporation having a place of business at 415 Century Parkway, Allen, Texas 75013 (hereinafter called Ball Semiconductor), is desirous of acquiring our entire right, title and interest in and to the invention, and to the application and any Letters Patent that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

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell and assign to Ball Semiconductor, its successors and assigns, our 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 we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as our interest is concerned, to Ball Semiconductor, as assignee of our entire right, title and interest

We also hereby sell and assign to Ball Semiconductor, its successors and assigns, our 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.

We hereby further agree that we will communicate to Ball Semiconductor, or to its successors, assigns, and legal representatives, any facts know to us 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, we hereunto set hand and seal this day and year;

TITLE OF INVENTION	QUADRI-POINT PRECISION SPHERE POLISHER
FIRST INVENTOR SIGNATURE AND NAME	Roger Privitt 
DATE	Dec 3, 1998
RESIDENCE (City, State)	Garland, Texas
SECOND INVENTOR SIGNATURE AND NAME	Akira Ishikawa 
DATE	12 1 1998
RESIDENCE (City, State)	Royce City, Texas

THIRD INVENTOR SIGNATURE AND NAME	Takashi Kanatake <i>T. Kanatake</i>
DATE	Dec. 7, 1998
RESIDENCE (City, State)	Tokorozawa-shi, Japan

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