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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):

John ARCHER

1-24-03

## 2. Name and address of receiving party(ies)

Name: Gennum Corporation

Internal Address: 970 Fraser Drive

Street Address: Same

City: Burlington, Ontario CANADA State: Zip: L7L 5P5

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

## 3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: 1/24/2003

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

## 4. Application number(s) or patent number(s):

10350851

If this document is being filed together with a new application, the execution date of the application is: 1/24/2003

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joseph M. Sauer, Esq.

Internal Address: JONES DAY

North Point

901 Lakeside Avenue

Street Address: Same

City: Cleveland State: OH Zip: 44114

6. Total number of applications and patents involved: ☐

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



Enclosed



Authorized to be charged to deposit account

## 8. Deposit account number:

501432 (Ref. 764164605051)

02/05/2003 DDYRNE 00000003 501432 10350851

01 FC 8021 40.00 CH

DO NOT USE THIS SPACE

## 9. Signature.

Joseph M. Sauer

Name of Person Signing

Signature

January 24, 2003

Date

Total number of pages including cover sheet, attachments, and documents: ☐ 3Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231PATENT  
REEL: 013716 FRAME: 0484

1002 U.S. PTO 10/350851

01/24/03

## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

**SOLDER BUMPED SUBSTRATE FOR A FINE PITCH FLIP-CHIP INTEGRATED  
CIRCUIT PACKAGE**

and is the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the date indicated below in the appropriate space to the left of the signature of the undersigned, which application is further identified as Jones Day Docket No. 764164605051.

WHEREAS, **Gennum Corporation**, a corporation organized under the laws of the Province of Ontario, CANADA, having a place of business at 970 Fraser Drive, Burlington, Ontario, CANADA L7L 5P5, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in and to said inventions and improvements including the patent rights therefor.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign and transfer unto assignee, its successors and assigns, all right, title, and interest, in the United States and throughout the world, in and to said inventions and improvements and all patent applications, patents, patent rights, and inventor's certificates therefor, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues thereof, all right to sue for past infringement thereunder, and all patents which may be granted for said inventions and improvements by states or nations other than the United States and all applications therefor, and I covenant and agree for myself and for my executors, administrators, and legal representatives that, at assignee's request, any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary or desirable to secure for or vest in assignee, its successors or assigns, any right, title, interest in and to any application, patent, patent right or other right or property covered by this assignment, including the right to apply for and obtain patents in foreign countries under the provisions of the International Convention, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in and to the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title, and interest in and to the same.

The undersigned hereby grants the firm of Jones Day the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: JAN 24, 2003

  
John Archer

Residing and Having a  
Post Office Address at:

7219 TORRISDALE LANE  
MISSISSAUGA, ON  
L5N 7Y7

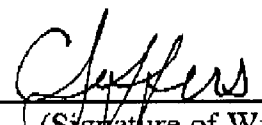
STATEMENT BY WITNESS

I, Christy Jeffers, whose full Post Office address is  
(Name of Witness)

5565 Thorn Lane, Burlington, Ontario, Canada L7L 6V8  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan. 24, 2003

  
(Signature of Witness)