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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Yang Gao**

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: **June 15, 2005**

2. Name and address of receiving party(ies)

Name: **Mindspeed Technologies, Inc.**

Internal Address:

Street Address: **4000 MacArthur Blvd., East Tower**

City: **Newport Beach** State: **CA** Zip: **92660**

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

113211 U.S. PTO  
11/156874

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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: **June 15, 2005**

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: **Farshad Farjami, Esq.**

Internal Address: **Farjami & Farjami LLP**

Street Address: **24522 La Alameda Ave., Suite 360**

City: **Mission Viejo** State: **California** Zip: **92691**

6. Total number of applications and patents involved: **1**

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

☐ Enclosed (Payment by Credit Card Form PTO-2038 enclosed)

☒ Underpayment or Overpayment is Authorized to be Charged or Credited to Deposit Account

8. Deposit account number: **50-1867**

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8. 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.*

**Farshad Farjami, Esq.**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: **2**

Mail documents to be recorded with required cover sheet information to:

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PATENT  
REEL: 016713 FRAME: 0296

**ASSIGNMENT**

WHEREAS, I, Yang Gao residing at 26586 San Torini Road, Mission Viejo, CA 92692 have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled MUSIC DETECTION WITH LOW-COMPLEXITY PITCH CORRELATION ALGORITHM, filed herewith;

AND WHEREAS Mindspeed Technologies, Inc., a Delaware corporation (hereinafter, together with any successors, legal representatives or assigns thereof, called "Assignee"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of June, 2005

Yang Gao  
Yang Gao

STATE OF CALIFORNIA )  
 )  
COUNTY OF Orange ) ss.

On June 15, 2005, before me the undersigned, a Notary Public for the State and County aforesaid, personally appeared Yang Gao, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the above assignment the person, or the entity upon behalf of which the person acted, executed the assignment.

WITNESS my hand and official seal.

Signature JA Wunch

