

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|----------------------------------|---------------|------------------------------|---------------------|-------------|-----------------|------------|-------------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark Hummel</td> <td>11/08/2012</td> </tr> <tr> <td>David E. Mayhew</td> <td>11/26/2012</td> </tr> <tr> <td>Michael J. Osborn</td> <td>11/08/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Mark Hummel | 11/08/2012 | David E. Mayhew | 11/26/2012 | Michael J. Osborn | 11/08/2012 | | |
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| Mark Hummel | 11/08/2012 | | | | | | | | | | |
| David E. Mayhew | 11/26/2012 | | | | | | | | | | |
| Michael J. Osborn | 11/08/2012 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Advanced Micro Devices, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 AMD Place</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94085</td> </tr> </table> | | Name: | Advanced Micro Devices, Inc. | Street Address: | 1 AMD Place | City: | Sunnyvale | State/Country: | CALIFORNIA | Postal Code: | 94085 |
| Name: | Advanced Micro Devices, Inc. | | | | | | | | | | |
| Street Address: | 1 AMD Place | | | | | | | | | | |
| City: | Sunnyvale | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | |
| Postal Code: | 94085 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13675401</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13675401 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13675401 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
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| Correspondent Name: | Guerin & Rodriguez, LLP | | | | | | | | | | |
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| Address Line 2: | Mount Royal Office Park | | | | | | | | | | |
| Address Line 4: | Marlborough, MASSACHUSETTS 01752 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | AMD-026 (110251) | | | | | | | | | | |
| NAME OF SUBMITTER: | Timothy P. Collins | | | | | | | | | | |
| <p>Total Attachments: 8 source=AMD-026_110251_executed_Assignment#page1.tif</p> | | | | | | | | | | | |

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ASSIGNMENT OF U.S. PATENT APPLICATION

This is an assignment of patent rights between inventors Mark Hummel, David E. Mayhew and Michael J. Osborn (hereinafter referred to as "Inventors") and Advanced Micro Devices, Inc., having a place of business at One AMD Place, Sunnyvale, California, 94085 (hereinafter referred to as "Assignee").

WHEREAS, Inventors have caused to be prepared a United States Patent Application in the Inventors' names entitled **DATA FLOW PROCESSING IN A NETWORK ENVIRONMENT**, the specification of which was filed on _____, as United States Application Number _____, having a docket number of AMD-026 (110251) (hereinafter referred to as the "Invention"); and

WHEREAS, Assignee has a desire to acquire all rights, title, and interest in the Invention.

NOW, THEREFORE, the parties agree as follows:

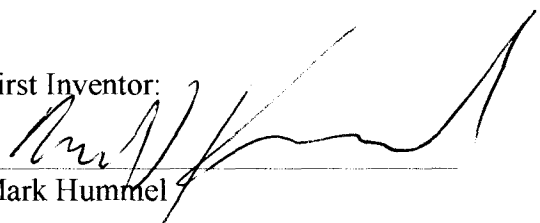
1. Inventor hereby sells, assigns, and transfers his entire right, title, and interest in the Invention and all patents that may be granted therefrom due to divisions, reissue, substitutions, extensions, continuations, and continuations-in-part to the Assignee.
2. Inventor hereby sells, assigns, and transfers his entire right, title, and interest in any foreign (non-U.S.) national patent application, invention registration, or equivalent (Foreign Applications) claiming approximately the same subject matter of the Invention to the Assignee.
3. The transfer set forth in Paragraph (2) is in consideration for the sum of one U.S. dollar (US\$1) (or its equivalent) and/or other consideration for which both parties acknowledge to be valuable, having been conveyed to the Inventors by the Assignee. Consideration may include at least one of the following: employment, an independent contractor agreement, monetary payment, or other benefit hereby acknowledged as received.
4. Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue the patent for the Invention, and all resulting patents therefrom, insofar as Inventor's interest is concerned, to the Assignee.
5. Inventor further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title, and interest in the Assignee.
6. Inventor hereby yet further agrees to, with respect to the referenced patent application, at the expense of the Assignee:
 - i) testify in any legal proceedings,
 - ii) sign all lawful papers,

iii) execute all divisional, continuation, continuation-in-part, reissue and substitute applications,

iv) make all lawful oaths, and assist in vesting title in the Assignee and to aid the Assignee to obtain and enforce proper protection for the subject matter of the Invention in all countries, and

v) notify Assignee promptly (by facsimile or first class mail) of any subpoena or contact by any person other than Assignee or its agents regarding the Invention or resultant patent(s) issuing therefrom, and in any event at least one week prior to any deposition, legal inquiry or legal proceeding relating to the above identified invention.

This assignment is executed on the date(s) of which the Inventor has signed.

First Inventor:

Mark Hummel

Date: 11/8/2012

State/Province of: Massachusetts)

SS: Middlesex

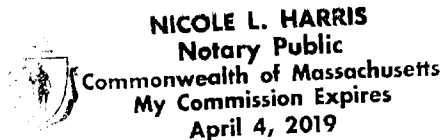
Regional Municipality of: _____)

Before me personally appeared said Mark Hummel and acknowledge the foregoing instrument to be his free act and deed this 8 day of November 2012.

Seal

 (Notary)

OR



Witness # 1 _____ (Signature)

Witness#2 _____ (Signature)

_____ (Print Name)

_____ (Print Name)

Second Inventor:

_____ Date: _____
David E. Mayhew

State/Province of: _____) SS:

Regional Municipality of: _____)

Before me personally appeared said David E. Mayhew and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____ 2012.

Seal

_____ (Notary)

OR

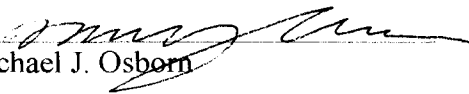
Witness # 1 _____ (Signature)

Witness#2 _____ (Signature)

_____ (Print Name)

_____ (Print Name)

Third Inventor:


Michael J. Osborn

Date: 11/8/12

State/Province of: _____)

SS:

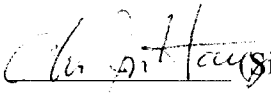
Regional Municipality of: _____)


Before me personally appeared said Michael J. Osborn and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____ 2012.

Seal

_____ (Notary)

OR

Witness # 1  (Signature)
JINHENG CHO (Print Name)

Witness#2  (Signature)
David Oser (Print Name)

PATENT APPLICATION

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1. Inventor hereby sells, assigns, and transfers his entire right, title, and interest in the Invention and all patents that may be granted therefrom due to divisions, reissue, substitutions, extensions, continuations, and continuations-in-part to the Assignee.
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This assignment is executed on the date(s) of which the Inventor has signed.

First Inventor:

_____ Date: _____
Mark Hummel

State/Province of: _____) SS:

Regional Municipality of: _____)

Before me personally appeared said Mark Hummel and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____ 2012.

Seal

_____ (Notary)

OR

Witness # 1 _____ (Signature)
_____ (Print Name)

Witness#2 _____ (Signature)
_____ (Print Name)

Second Inventor:

[Signature]
David E. Mayhew

Date: 26 NOV 2012

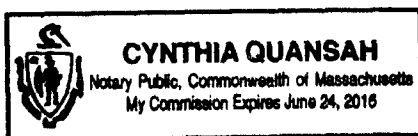
State/Province of: MA)

SS:

Regional Municipality of: WORCESTER)

Before me personally appeared said David E. Mayhew and acknowledge the foregoing instrument to be his free act and deed this 26th day of November 2012.

Seal



[Signature] (Notary)

OR

Witness # 1 _____ (Signature)

Witness#2 _____ (Signature)

_____ (Print Name)

_____ (Print Name)

Third Inventor:

Michael J. Osborn

Date: _____

State/Province of: _____)

SS:

Regional Municipality of: _____)

Before me personally appeared said Michael J. Osborn and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____ 2012.

Seal

_____(Notary)

OR

Witness # 1 _____ (Signature)

Witness#2 _____ (Signature)

_____ (Print Name)

_____ (Print Name)