PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Kevin D. Senohrabek | 12/04/2009 |
| Natale Barbiero | 12/01/2009 |
| Gordon F. Caruk | 12/09/2009 |

RECEIVING PARTY DATA

| Name: | ATI Technologies ULC |
|-----------------|--------------------------------|
| Street Address: | One Commerce Valley Drive East |
| City: | Markham, Ontario |
| State/Country: | CANADA |
| Postal Code: | L3T 7X6 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12635942 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | AMD-090070 YBH/HLI |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | Yong Beom Hwang |

Total Attachments: 5

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PATENT REEL: 023641 FRAME: 0218

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> PATENT REEL: 023641 FRAME: 0219

ASSIGNMENT

Kevin D. Senohrabek, residing at 906-333 Adelaide Street East, Toronto, Ontario M5A 4T4, Canada, a citizen of Canada; Natale Barbiero, residing at 44 Jay Street, Toronto, Ontario M6L 2M1, Canada, a citizen of Canada; and Gordon F. Caruk, residing at 29 Alderbury Crescent, Brampton, Ontario L6T 1P4, Canada, a citizen of Canada, (hereafter jointly and severally referred to as the undersigned), are the inventors of

DEVICE CONFIGURED TO SWITCH A CLOCK SPEED FOR MULTIPLE LINKS RUNNING AT DIFFERENT CLOCK SPEEDS AND METHOD FOR SWITCHING THE CLOCK SPEED

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 12/635,942, filed December 11, 2009.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

ATI Technologies ULC, an Alberta corporation, having a principal place of business at One Commerce Valley Drive East, Markham, Ontario, L3T 7X6, CANADA, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

PATENT REEL: 023641 FRAME: 0220

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

REEL: 023641 FRAME: 0221

| EXECUTED under seal on this 4 | th day of December | , 200_9 |
|---|--|--------------------|
| at <u>Markham, Ontario, Canado</u> (Place) | _ | |
| Assignor Signature: | Witness Signature: | |
| <u>Kevin Senohrabek</u> (L.S.) Kevin D. Senohrabek | | · . |
| | Witness Printed Name: | |
| | JARDSLAW MARCLEWSIY | |
| | | * |
| State of | | |
| county of | | |
| On this 4th day of <u>December</u> Kevin D. Senohrabek, to me known to executed the foregoing instrument, and a same knowingly and willingly and for the Witness my hand and Notarial swritten. | be the person described herein acknowledged that [he/she] exerposes therein contained. | and who ecuted the |
| | Notary Public | |

PATENT

REEL: 023641 FRAME: 0222

My Commission Expires:

| EXECUTED under seal on this | 1st day of December | , 200_7 |
|---|---|----------------------|
| at Markham Ontario, Canada | · | |
| (Place) | | |
| | | |
| | | |
| Assignor Signature: | Witness Signature: | |
| Mahelelle (E.S.) | | |
| Natale Barbiero | De la companya della companya della companya de la companya della | |
| | Witness Printed Name: | |
| | JAROSLAW MARCIEWSKI | |
| State of | | |
| SS. | | |
| County of | | |
| Natale Barbiero, to me known to be the the foregoing instrument, and acknowl knowingly and willingly and for the purp | ledged that [he/she] executed t | executed the same |
| | Notary Public | |

PATENT

REEL: 023641 FRAME: 0223

My Commission Expires:

| EXECUTED under seal on this day of | <u>December</u> , 200 9 at |
|--|--|
| Markham, Ontario, Canada. | • |
| (Place) | |
| | |
| Assignor Signature: | Witness Signature: |
| Gordon F. Caruk | AS TO THE REPORT OF THE PARTY O |
| | Witness Printed Name: |
| | ANDY SUNG |
| State of | |
| SS. | |
| County of | |
| On this day of December Gordon F. Karuk, to me known to be the personal the foregoing instrument, and acknowledged knowingly and willingly and for the purposes Witness my hand and Notarial seal written. | son described herein and who executed d that [he / she] executed the same |
| | Notowy Dublic |
| My Commission Expires: | Notary Public |

PATENT REEL: 023641 FRAME: 0224

RECORDED: 12/11/2009