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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): Laurent Lefebvre; Andrew E. Gruber; Stephen L. Morein Additional name(s) of conveying party(ies) attached? Yes No

9.29.03

2. Name and address of receiving party(ies) Name: ATI Technologies, Inc. Internal Address: Street Address: 1 Commerce Valley Drive East 1146597 City: Markham State: Ontario Zip: L3T 7X6 Additional name(s) & address(es) attached? Yes No

15235 U.S. PTO 10/673761

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: September 22, 26, 2003

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: 09/22/03 09/26/03 A. Patent Application No.(s) 10673761 B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Christopher J. Reckamp Internal Address: Vedder, Price, Kaufman & Kammholz, P.C. Street Address: 222 N. LaSalle St. City: Chicago State: IL Zip: 60601

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: 50-0441 (Attach duplicate copy of this page if paying by deposit account)

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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. Timothy J. Bechen, Reg. No. 48,126 Name of Person Signing Signature Date 9/29/03

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

10/06/2003 ELCOOPER 00000236 500441 10673761 1146597 40.00 BA

Documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 014551 FRAME: 0761

020046M

PATENT APPLICATION

ASSIGNMENT OF U.S. PATENT APPLICATION

This is an assignment of patent rights between the inventor(s) LAURENT LEFEBVRE, ANDREW E. GRUBER and STEPHEN L. MOREIN (herein after referred to as the Inventors) and ATI Technologies, Inc., having a place of business at 1 Commerce Valley Drive East, Markham, Ontario, Canada (herein after referred to as the Assignee).

WHEREAS, Inventors have caused to be prepared a United States Patent Application in the Inventors' name entitled MULTI-THREAD GRAPHICS PROCESSING SYSTEM, having a docket number of 00100.02.0046 (herein after referred to as the Invention) concurrently executed herewith; and

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

NOW, THEREFORE, the parties agree as follows:

1. The Inventors hereby sell, assign, and transfer its entire rights, 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. The Inventors hereby sell, assign, and transfer its entire rights, 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 dollar (\$1) U.S. (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: employment, an independent contractor agreement, monetary payment, or other benefit hereby acknowledged as received.

4. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue the patent for the Invention, and all resulting patents therefrom, insofar as Inventors' interest is concerned, to the Assignee.

5. The Inventors further agree 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. The Inventors hereby yet further agree to, with respect to the referenced patent application, at the expense of the Assignee:

- i) testify in any legal proceedings,

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- 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.

Inventor:

Inventor:

Laurent L
 LAURENT LEFEBVRE

Date: 9/22/2003

State/Province of: Quebec) SS:

Regional Municipality of: Lachenaie)

Before me personally appeared said LAURENT LEFEBVRE and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____, 2003.

Seal

_____(Notary)

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Inventor:

Andrew E. Gruber

ANDREW E. GRUBER

Date: 9/26/03

State/Province of:

Massachusetts)

SS:

County of:

Middlesex)

Before me personally appeared said ANDREW E. GRUBER and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____, 2003.

Seal

(Notary)

Inventor:

Stephen L. Morein
STEPHEN L. MOREIN

Date: 9/26/03

State/Province of:

MA)

SS:

County of:

Middlesex)

Before me personally appeared said STEPHEN L. MOREIN and acknowledge the foregoing instrument to be his free act and deed this _____ day of _____, 2003.

Seal

(Notary)

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