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(1) ALLAN RUSSELL MARTIN 07/19/2005

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**International Business Machines
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New Orchard Road
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4. Application or patent numbers(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s) 11/186427

B. File Date: 07/21/2005

Additional numbers attached? ☐ Yes ☒ No

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

Mark S. Walker
IBM Corporation
Intellectual Property Law
11400 Burnet Road
Austin, TX 78758
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6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 1.21.(h) & 3.41) \$ 40.00

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PATENT
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A S S I G N M E N T

Whereas, I,

(1) Allan Russell Martin of Toronto
Province of Ontario and Country of Canada

have invented certain improvements in

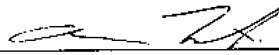
**SYSTEM AND METHOD FOR OPTIMIZED SWING MODULO SCHEDULING BASED ON
IDENTIFICATION OF CONSTRAINED RESOURCES**

and executed, respectively, a United States patent application therefore on
(Date Inventor Signed Declaration) (1) July 19, 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Markham, Ontario on July 19, 2005.


Allan Russell Martin