

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Onur Canpolat	12/01/2009
Francis Chukwuemeka Onochie	12/01/2009
RECEIVING PARTY DATA	
Name:	RESEARCH IN MOTION LIMITED
Street Address:	295 Phillip Street
City:	Waterloo
State/Country:	ONTARIO
Postal Code:	N2L 3W8
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12614683
CORRESPONDENCE DATA	
Fax Number:	(613)563-9869
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	613-233-1781
Email:	ott-rim-patents@gowlings.com
Correspondent Name:	GOWLING LAFLEUR HENDERSON LLP
Address Line 1:	160 Elgin St., Suite 2600
Address Line 4:	Ottawa, CANADA K1P1C3
NAME OF SUBMITTER:	Mark Sprigings
Total Attachments: 4 source=08914454US_Assignment#page1.tif source=08914454US_Assignment#page2.tif source=08914454US_Assignment#page3.tif source=08914454US_Assignment#page4.tif	

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PATENT
REEL: 023667 FRAME: 0599

RIM Family Ref. No.:35256-ID
Gowling's Reference: 08914454

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

**Inventor 1: Onur Canpolat, 78482 – 295 Phillip St., Waterloo, Ontario,
N2L 3W8, Canada**

**Inventor 2: Francis Chukwuemeka Onochie, 72619 – 295 Phillip St.,
Waterloo, Ontario, N2L 3W8, Canada**

has/have invented a **HYSTERESIS NONLINEAR STATE MACHINE WITH
OVERLAPPING THRESHOLDS FOR AUTOMATIC FREQUENCY CONTROL**
("Invention") for which one or more applications for patent, design registration, utility model
registration, or other form of protection, rights, or title have been or will be made in certain
countries ("Applications"), as further identified by U.S. Patent Application No. 12/614,683 and
RIM Reference No. 35256-US-PAT.

AND WHEREAS, **RESEARCH IN MOTION LIMITED**, (hereinafter referred to as
the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada,
having a place of business at 295 Phillip Street, Waterloo, Ontario, N2L 3W8, Canada, is
desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said
Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived
from said Applications, and all patents, design registrations, utility model registrations and other
forms of protection, rights and titles relating to said Invention, in any country or countries and in
respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are
hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have
transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer,
convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to:
the Invention; the Applications; any further applications for patent, design registration, utility
model registration or other forms of protection, rights or titles for the whole or any part or parts
of or improvements to the Invention in any country or countries ("Further Applications")
together with the right to file divisional applications, substitute applications and continuation
applications of any one or more of the Applications and Further Applications ("Divisionals"); the
right to obtain patents, design registrations, utility model registrations and all other forms of
protection, rights and titles relating to the Invention; the right in and to any patent or reissue
patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right
to obtain any extensions / supplementary protection certificates ("Extensions"); together with the
right to bring proceedings to recover damages and/or to obtain other remedies for acts committed
in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications,

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Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

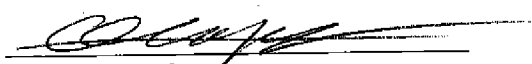
THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

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Gowling's Reference: 08914454

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Dec 1/09


Onur Canpolat

78482 - 295 Phillip St., Waterloo, Ontario, N2L 3W8,
Canada

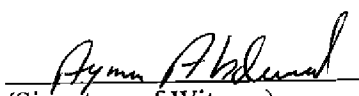
STATEMENT BY WITNESS

I, Ayman Abdel-Samad, whose full Post Office address is

25-365 Bennington Gate, Waterloo, ON N2T 2L1
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2009/12/1


(Signature of Witness)

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 12/1/09

[Signature]
Francis Chukwuemeka Onochie,

72619 - 295 Phillip St., Waterloo, Ontario, N2L 3W8,
Canada

STATEMENT BY WITNESS

I, Ayman Abdel-Samad, whose full Post Office address is

25-365 Bennington Gate, Waterloo, ON N2T 2L1
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2009/12/01

[Signature]
(Signature of Witness)