

torney's Docket No. <u>1004501-000926</u>

07/18/2007

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

METHOD AND DEVICE FOR CHARACTERIZING THE LINEAR PROPERTIES OF AN **ELECTRICAL COMPONENT** 1. Name of conveying party(ies): 1) Kaveh NIAYESH, 2) Matthias BERTH, 3) Andreas DAHLQUIST, 4) Christoph HEITZ, and 5) Martin TIBERG 2. Name and address of receiving party(ies): ABB Research Ltd Affolternstrasse 52 Zürich CH-8050 Switzerland **3.** . Nature of Conveyance/Execution Date(s): Execution Date(s): July 10, 2007 Assignment Executive Order 9424 Confirmatory License Security Agreement Merger Joint Research Agreement Change of Name Government Interest Agreement Other: 4. Application or patent number(s): Patent Application No.(s) В. Patent No.(s) X This document is being filed together with a new application. 5. Name and address to whom correspondence concerning document should be mailed: Name: Patrick C. Keane Address: Buchanan Ingersoll & Rooney PC Customer Number 2 1 8 3 9 P.O. Box 1404 Alexandria, Virginia 22313-1404 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 Authorized to be charged by credit card. PTO Form 2038 Authorized to be charged to deposit account 02-4800 Enclosed. None required (gov't interest not affecting title) 8. Signature: 32858 July 18, 2007

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

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Date

40.00 OP

ASSIGNMENT

(JOINT)

WHEREAS, the Assignors have invented certain new and useful improvements in METHOD

THIS ASSIGNMENT, by (1) Kaveh NIAYESH. (2) Matthias BERTH. (3) Andreas

DAHLQUIST. (4) Christoph HEITZ, and (5) Martin TIBERG, residing at (1) Teheran, Iran; (2) Zürich, Switzerland; (3) Zürich, Switzerland; (4) Elgg/ZH. Switzerland; and (5) Genève, Switzerland (hereinafter referred to as "the Assignors"), respectively, witnesseth:

VIAD DE AIGE	<u>. I VIX</u>	MANACTERIZING THE LINEAR PROPERTIES OF AN ELECTRICAL	_
COMPONEN'	\underline{T} set f	rth in an application for Letters Patent of the United States, which is a	ì
(1)	(a) (b)	provisional application bearing Application No, and filed on to be filed herewith; or	;
(2)	(2)	non-provisional application	
	(a)	bearing Application No, and filed on;	
		having an oath or declaration executed on even date herewith p filing of application;	rior to
	(c)	having an oath or declaration executed on a different date than the Assignment: and	this

WHEREAS, <u>ABB RESEARCH LTD</u>, a corporation duly organized under and pursuant to the laws of <u>Switzerland</u> and having a principal place of business at <u>Affolternstrasse 52</u>, <u>Zürich</u>, <u>Switzerland CH-8050</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the Invention, filing date, application number, and attorney's docket number of said application when known

AND the Assignors hereby request the Commissioner of Patents to issue any and all sald Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

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		KAVEH NIAYESH
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		MATTHIAS BERTH
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-		ANDREAS DAHLQUIST
DATE		
		CHRISTOPH HEITZ
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		MARTIN TIBERG

Buchanan Ingersoll & Rooney Pc

PATENT

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Buchanan Ingersoll & Rooney PC
Attorneys & Government Relations Professionals

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	ANDREAS DAHLQUIST
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