505085947 09/10/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE: ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JOCHEN MIELKE DE LIMA	09/08/2014

RECEIVING PARTY DATA

Name:	BM&FBOVESPA S.A., BOLSA DE VALORES, MERCADORIAS E FUTUROS	
Street Address:	PRACA ANTONIO PRADO	
Internal Address:	NO. 48 CEP	
City:	SAO PAULO	
State/Country:	BRAZIL	
Postal Code:	01010-901	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15207152

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3122910860

Email: docket-us@lsk-iplaw.com, michelle.marsh@cmegroup.com

Correspondent Name: LEMPIA SUMMERFIELD KATZ LLC

Address Line 1: 20 SOUTH CLARK STREET

Address Line 2: SUITE 600

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	EY DOCKET NUMBER: 4672-12001FUS	
NAME OF SUBMITTER:	JAMES L. KATZ	
SIGNATURE:	/James L. Katz/	
DATE SIGNED:	09/10/2018	

Total Attachments: 2

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PATENT 505085947 REEL: 046829 FRAME: 0349

ASSIGNMENT

WHEREAS, Jochen Mielke de Lima, Ari Studnitzer, and Frank Kmiec, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled ADAPTIVE VOLUME CONTROL, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, BM&FBOVESPA S.A., Bolsa de Valores, Mercadorias e Futuros, a corporation organized and existing under the laws of Brazil, having a place of business at Praca Antonio Prado, No. 48 Cep: 01010-901, Sao Paulo, Brazil, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the

PATENT REEL: 046839 FRAME: 0030 prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assigner will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	Sept 8th 2014	Jochen Mielke de Lima
DATED:	Supt 8th 2014	Jochen Mielke de Lima Jochen Mielke de Lima Diretor de Desenvolvimento Mathalia De San Bde Sistemas de Negociação Witness 1 Signature
		Witness 1 Nathalia de Gan Braga
DATED: <u>6pt</u> 8th	Spt 8th 2014	Clemen Canally Witness 2 Signature
		Witness 2 Claudia Carvalho

- 2 -