UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

IBG LLC, INTERACTIVE BROKERS LLC, TRADESTATION GROUP, INC., and TRADESTATION SECURITIES, INC., Petitioners,

v.

TRADING TECHNOLOGIES INTERNATIONAL, INC., Patent Owner.

Case CBM2016-00054 U.S. Patent 7,693,768

PATENT OWNER'S NOTICE OF APPEAL

via PTAB E2E Patent Trial and Appeal Board

via Hand Delivery Director of the United States Patent and Trademark Office c/o Office of the General Counsel, 10B20 Madison Building East 600 Dulany Street Alexandria, VA 22313

via CM/ECF United States Court of Appeals for the Federal Circuit Pursuant to 35 U.S.C. §§ 141 and 142, and 37 C.F.R. §§ 90.2 and 90.3,

Patent Owner, Trading Technologies International, Inc. ("TT"), hereby provides notice that it appeals to the United States Court of Appeals for the Federal Circuit from the Final Written Decision (Paper 61) entered on October 17, 2017, and from all underlying orders, decisions, rulings, institutions, and opinions regarding U.S. Patent No. 7,693,768 ("the '768 patent") at issue in Covered Business Method No. CBM2016-00054. This notice of appeal is timely filed.

In accordance with 37 C.F.R. § 90.2(a)(3)(ii), the issues on appeal include, but may not be limited to:

(1) the Board's determination that it had jurisdiction to issue the Final Written Decision based on the Board's view that the '768 patent is a covered business method patent under § 18 of the American Invents Act;

(2) the Board's determination that claims 1-23 are ineligible under 35U.S.C. § 101;

(3) the Board's claim constructions, failure to construe terms, and/or determination of the level of ordinary skill in the art at the time of the invention;

(4) the Board's determination that claims 1-6, 10-23 are unpatentable under 35 U.S.C. § 103;

(5) the Board's determination that a cited reference qualifies as prior art under 35 U.S.C. § 102;

(6) the Board's denial of Patent Owner's motion to exclude evidence;

(7) the unconstitutionality of the Transitional Program for Covered BusinessMethod Patents and Covered Business Method Review (AIA § 18) under ArticleIII, the Seventh Amendment, and the Fifth Amendment of the United StatesConstitution; and

(8) any other findings or determinations supporting or related to the aforementioned issues, as well as all other issues decided adversely to Patent Owner in any order, decision, ruling, or opinion.

The remedy sought on appeal is reversal of the issues decided adversely to Patent Owner in the Final Written Decision, including, but not limited to, the Board's conclusion that the '768 patent is a CBM patent. *See Secure Axcess, LLC v. PNC Bank Nat'l Ass'n*, 848 F.3d 1370, 1382 (Fed. Cir. 2017).

Pursuant to 35 U.S.C. § 142 and 37 C.F.R. § 90.2(a), this Notice is being filed with the Director of the United States Patent and Trademark Office, and a copy of this Notice is being concurrently filed with the Patent Trial and Appeal Board. In addition, a copy of this Notice along with the required docketing fees is being filed with the Clerk's Office for the United States Court of Appeals for the Federal Circuit via CM/ECF. Dated: December 14, 2017

Respectfully submitted,

By: /Jennifer M. Kurcz/

Jennifer M. Kurcz, Back-Up Counsel, Reg. No. 54,481 *Counsel for Patent Owner Trading Technologies International, Inc.* Baker & Hostetler LLP 191 North Wacker Drive Suite 3100 Chicago, IL 60606-1901 T 312.416.6200

CERTIFICATE OF SERVICE

I hereby certify that on this 14th day of December, 2017, a true and correct copy of the foregoing "PATENT OWNER'S NOTICE OF APPEAL" was Hand Delivered to:

> Director of the United States Patent and Trademark Office c/o Office of the General Counsel, 10B20 Madison Building East, 600 Dulany Street Alexandria, VA 22313-1450

I also herby certify that on this 14th day of December, 2017, a true and

correct copy of the foregoing "PATENT OWNER'S NOTICE OF APPEAL," and

the filing fee, were filed with the Clerk's Office of the United States Court of

Appeals for the Federal Circuit, via CM/ECF.

I also hereby certify that a true and correct copy of the foregoing "PATENT

OWNER'S NOTICE OF APPEAL," was served by electronic mail on this 14th day

of December, 2017, on counsel of record for the Petitioners as follows:

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