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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks Attached original documents or copy thereof.

1. Name of conveying party(ies): Yoav Shoham Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies): Name: Trading Dynamics Inc. Internal Address:

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: September 11, 1998

Street Address: 1180 East Meadow Drive City Palo Alto State CA ZIP 94303 Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 09/131,048 B. Patent No.(s) Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Street Address: 12400 Wilshire Boulevard Seventh Floor City: Los Angeles State: CA ZIP: 90025

7. Total fee (37 CFR 3.41).....\$ 40.00 [x] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. James H. Salter, Reg. No. 35.668 Name of Person Signing Signature Date 9/12/98 Total number of pages comprising cover sheet, attachments, and document: 3

40.00 9/12/98

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignment Washington, D.C. 20231

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I _____,
the undersigned, Yoav Shoham

_____ ,
hereby sell, assign, and transfer to Trading Dynamics, Inc.
a corporation of California , having a principal place of business at
1180 East Meadow Drive, Palo Alto, California 94303 , ("Assignee"),
and its successors, assigns, and legal representatives, the entire right, title, and interest for the
United States and all foreign countries, in and to any and all improvements that are disclosed in
the application for the United States patent that was filed August 7, 1998, and assigned
Application No. 09/131,048 and is entitled

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and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 9.11.98, 1998

Y Shoham

Name: Yoav Shoham

Date: _____, 19__

Name: _____

Date: _____, 19__

Name: _____

Date: _____, 19__

Name: _____

Date: _____, 19__

Name: _____

Date: _____, 19__

Name: _____

State of: _____ }

County of: _____ }

Assignment Document Return Address:
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, California 90025-1026
(408) 720-8598

On this _____ day of _____ 19__, before me, _____,
the undersigned Notary Public, personally appeared _____

personally known to me proved to me on the basis of satisfactory evidence to
be the person(s) whose name(s) _____ subscribed to the within instrument, and
acknowledged that _____ executed it.

WITNESS my hand and official seal.

Notary's Signature