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(72) Inventor; and

(71) Applicant : KOREN, Eitan [IL/GB]; 35 Piccadilly, 3rd Floor, W1J 0DW, London (GB).

(74) Agents: BRESSLER, Eyal et al.; Dr. Eyal Bressler LTD., 11 Tuval St., 5252226 Ramat Gan (IL).

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(54) Title: USER INTERFACE, SYSTEM AND METHOD FOR AUTOMATIC MATCHING OF PARTIES TO A TRANSACTION PROPOSAL

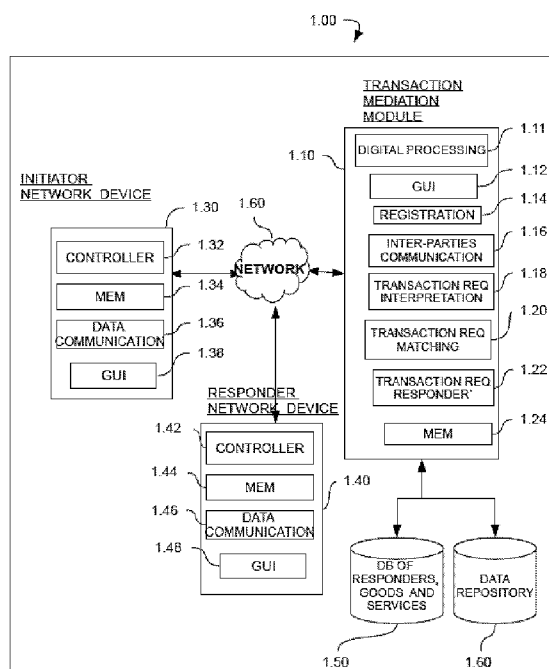


Figure 1

(57) Abstract: The invention provides a system and method for automatic matching of initiator-responder to a transaction proposal, using natural language (NL). The initiator formulates a request for goods/services with their qualifiers he wishes to purchase and responders matching the request are proposed.

USER INTERFACE, SYSTEM AND METHOD FOR AUTOMATIC MATCHING OF PARTIES TO A TRANSACTION PROPOSAL

FIELD OF THE INVENTION

- 5 The present invention generally related to a computer-implemented system and method for automatic matching of parties to a transaction proposal, and more particularly to a user interface, system and method for automatic matching of parties to a transaction proposal, using natural language (NL).

10 BACKGROUND OF THE INVENTION

Natural language (NL) generally refers to the interaction of a user with a computerized system through inputs supplied by the user in a natural language (e.g. human structured syntax).

It allows the user to type (or speak) a phrase specifying the requested information.

- 15 US 8775322 B2 discloses a system for matching buyers and sellers based on buyers and sellers preferences. Prospective buyers can locate potential sellers based on buyer preferences and sellers characteristics. Prospective sellers can locate potential buyers on seller preferences and characteristics.

- 20 US 2003/0004859 discloses a secure, computer based method and system for anonymously and confidentially matching indications of interest from potential buyers and sellers.

SUMMARY OF THE INVENTION

- It is one object of the current invention to disclose a system for automatically matching at least two potential parties to a transaction proposal, the parties comprising an initiator and
25 at least one responder, wherein the system comprises:

- a. at least one transaction mediation module for providing transaction mediation services, each transaction mediation module comprising digital data processing means, inter-parties communication means and digital data memory storage;

- b. a non-transitory computer readable medium for storing programmed instructions for implementing a transaction mediation algorithm for instructing the at least one transaction mediation module; and
 - c. a transaction response database of potential responders and potential responder
5 qualifiers, wherein the potential responder qualifiers are comprised of categories of data which are relevant for matching a potential responder to a transaction proposal; and
 - d. a data repository which is a knowledge base including definitions of goods/services and associated structured data including qualifiers of the goods;
- 10 wherein the at least one transaction mediation module is configured by the transaction mediation algorithm to implement:
- i. a graphic interface module displaying various user interfaces provided to the initiator and responder;
 - ii. a registration module to receive a registration request from the initiator and
15 registration request from the responder and authenticate them;
 - iii. a transaction request receiving module for receiving a transaction request from the initiator, wherein the transaction request comprises a description of goods or services for procurement;
 - iv. a transaction request interpretation module for parsing the transaction request
20 made in natural language into transaction keywords for identifying
 - a. specific goods or services; and
 - b. qualifiers of the goods or services;
 - v. a transaction request matching module for compiling a request provision list from the data repository database, wherein the request response provision list is
25 comprised of matching goods or services computed to match the description of the transaction request;
 - vi. a transaction request responder module for compiling a responder list from the transaction response database, wherein each entry of the responder list comprised of (a) an identification of a potential responder computed to be capable of

- providing the matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to the transaction request ; and,
- vii. a transaction reply module for composing and communicating a transaction request reply to the initiator, wherein the transaction request reply comprises information elements from the responder list.

It is another object of the current invention to disclose the system as described above, wherein the initiator is a buyer and the responder is a seller.

It is an object of the present invention to disclose a method for automatically matching at least two potential parties to a transaction proposal, wherein the parties comprise an initiator and at least one responder and the method comprises:

- a. providing a data repository which is a knowledge base including definitions of goods/services and associated structured data including qualifiers of the goods;
- b. providing a transaction response database of potential responders and potential responder qualifiers, wherein the potential responder qualifiers are comprised of categories of data which are relevant for matching a potential responder to a transaction proposal;
- c. displaying various user interfaces provided to the initiator and the responder, by employing a graphical interface module;
- d. registering the initiator and the responder, after authenticating them, by employing a registration module;
- e. transforming a transaction request made in natural language into a set of structured data in the data repository by employing a transaction request receiving module, a transaction request interpretation module, wherein the transaction request receiving module receives a transaction request from the initiator, wherein the transaction request comprises a description of goods or services for procurement and wherein the transaction request interpretation module parses the transaction request made in natural language into transaction keywords for identifying

- a. specific goods or services; and
- b. qualifiers of the goods or services;

5 f. compiling a request provision list, computed to match the description of the transaction request by employing a transition request matching module and the data repository database;

10 g. compiling a responder list wherein each entry of the responder list is comprised of (a) an identification of a potential responder computed to be capable of providing the matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to the transaction request, by employing a transaction request responder module and the transaction response database; and

h. composing and communicating a transaction request reply to the initiator by employing a transaction reply module, wherein the transaction request reply is comprising information elements from the responder list.

15 It is another object of the current invention to disclose the method as described, wherein the initiator is a buyer and the responder is a seller.

It is an object of the current invention to disclose a non-transitory computer-readable medium with instructions stored thereon, that when executed by a processor, performs the steps comprising:

- 20 a. displaying various user interfaces provided to the initiator and the responder by employing a graphical interface module;
- b. registering the initiator and the responder, after authenticating them, by employing a registration module;
- 25 c. transforming a transaction request made in natural language into a set of structured data by employing a transaction request receiving module and a transaction request interpretation module, wherein the transaction request receiving module receives a transaction request from the initiator, wherein the transaction request comprises a description of goods or services for procurement and wherein the transaction request interpretation module parses the transaction request made in natural language into transaction keywords for identifying

- specific goods or services; and
- qualifiers of the goods or services;

d. compiling a request provision list, computed to match the description of the transaction request, by employing a transition request matching module and the data repository
5 database;

e. compiling a responder list, wherein each entry of the responder list is comprised of (a) the identification of a potential responder computed to be capable of providing the matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to the transaction request, by employing a transaction request responder
10 module and a transaction response database; and

f. composing and communicating a transaction request reply to the initiator by employing a transaction reply module, wherein the transaction request reply is comprising information elements from the responder list.

15 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 provides a functional block diagram for an automatic matching of parties to a transaction proposal system in accordance with some embodiments.

FIG. 2 illustrates a flow of information, related to the transaction mediation module in accordance with some embodiments.

20 **FIG. 3** illustrates a flow of information, related to the different sub-modules of the transaction mediation module in accordance with some embodiments.

FIG. 4 is a flowchart for a routine generally illustrative of steps carried out in accordance with some embodiments to match responders to a transaction proposal, responsive to a natural language input by an initiator.

25 **FIG. 5 – Fig. 17** are screen shots in accordance with some embodiments of the user interface of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The following is a detailed description of the preferred embodiments. Reference is made to the accompanying drawings that form a part hereof, and in which are shown by way of illustration, specific embodiments in which the invention may be practiced. It is understood that other embodiments may be utilized and structural changes may be made without departing from the scope of the present invention. The present invention may be practiced according to the claims without some or all of these specific details. For the purpose of clarity, technical material that is known in the technical fields related to the invention has not been described in detail so that the present invention is not unnecessarily obscured.

Reference throughout this specification to “one embodiment” or “an embodiment” means that a particular feature, structure, or characteristic described in connection with the embodiment is included in at least one embodiment of the present invention. Thus, the appearances of the phrases “in one embodiment” or “in an embodiment” in various places throughout this specification are not necessarily all referring to the same embodiment. Furthermore, the particular features, structures, or characteristics may be combined in any suitable manner in one or more embodiments.

Although the technology will be described in conjunction with various embodiment(s), it will be understood that they are not intended to limit the present technology to these embodiments. To the contrary, the present technology is intended to cover alternatives, modifications and equivalents which may be included within the spirit and scope of the various embodiments as defined by the appended claims.

In the following description of embodiments, numerous specific details are set forth in order to provide a thorough understanding of the present technology. However, the present technology may be practiced without these specific details. In other instances, well known methods, procedures, components, and circuits have not been described in detail so as not to unnecessarily obscure aspects of the present embodiments.

DEFINITIONS

The term "qualifier of responder" refers to any responder additional information related to him (e.g. name, location) and to his goods/services (e.g. time to production, availability, price, payment conditions).

- 5 The term "qualifier of goods / services" refers to any goods/service additional details related to the initiator request (e.g. brand, model, size, color, and price)

THE INVENTION

The invention provides a system and method for automatic matching of initiator – responder to a transaction proposal, using natural language (NL). An initiator formulates
10 a request for goods/services with their qualifiers he wishes to purchase and responders matching the request are proposed.

FIGURES

Referring now generally to the figures and particularly to **FIG.1**. **FIG. 1** depicts an automatic matching of parties to a transaction proposal system **1.0** in accordance with
15 some embodiments. The system includes a number of components including one or more transaction mediation modules **1.10**, an initiator network device **1.20**, a responder network device **1.30** and two databases: a database of the responders, their products and services **1.40** and a data repository **1.50**. The initiator device, responder device and the transaction mediation module(s) communicate over a network **1.60**, such as a wide area
20 network, a local area network, a broadband wireless, etc.

The initiator network device is shown to include a controller **1.32**, local memory (MEM) **1.34**, a data communication means **1.36** and a graphical user interface (GUI) **1.38**. The controller may be hardware based or programmable processor which includes top level control of the device responsive to input supplied by the initiator via the GUI. The device
25 memory stores information input by the initiator, programming and control information utilized by the controller and information transferred to the device over the network. The GUI may include a keyboard, keypad, mouse, monitor, touch screen, touch pad and any

other suitable component to enable human comprehensive interaction with and/or control of the device.

The responder network device is shown to include a controller **1.42**, local memory (MEM) **1.44**, a data communication means **1.46** and a graphical user interface (GUI)

5 **1.48**. The controller may be hardware based or programmable processor which includes top level control of the device responsive to input supplied by the responder via the GUI. The device memory stores information input by the responder, programming and control information utilized by the controller and information transferred to the device over the network. The GUI may include a keyboard, keypad, mouse, monitor, touch screen, touch
10 pad and any other suitable component to enable human comprehensive interaction with and/or control of the device.

Both devices can take a variety of forms, including but not limited to a desktop computer, a laptop computer, a tablet, a smart phone or some other suitable network accessible platforms.

15 The transaction mediation module can similarly take a variety of forms, and is shown in **FIG. 1** to include a digital processing unit **1.11**, a graphical user interface **1.12**, a registration module **1.14**, an inter-parties communication means **1.16**, a transaction request interpretation **1.18**, a transaction request matching **1.20**, a transaction request responder **1.22** and local memory (MEM) **1.24**. While only a single initiator, a single
20 responder and a single transaction mediation module are shown in **FIG.1**, it will be appreciated that any number of respective devices and modules can be interconnected and utilized in accordance with the present disclosure.

The data base of responders, products and services **1.50** includes for each responder, the responder qualifiers and a list of services/goods he offers.

25 The data repository **1.60** is a knowledge base including definitions of goods/services and associated structured data including qualifiers of said goods.

As explained below, an initiator of the initiator device can access the transaction mediation module to generate a request in a natural language.

Referring now generally to the figures and particularly to **FIG.2**. **FIG. 2** illustrates the flow of information, related to the transaction mediation module **1.10** that can be incorporated into the system 1.0 of **FIG. 1**. As per step **2.2**, once the initiator is registered (not shown in the figure) , the initiator may send a request for a good/service in a natural language, the transaction mediation module is processing the request (see more details below) and after finding appropriate responders and negotiating between responders and initiators (**2.6, 2.16**) , it sends the initiator request **2.12** to them and forwards the answers of the responders to the initiator (answers from responders **2.4**).

Referring now generally to the figures and particularly to **FIG.3**. **FIG3** illustrates the flow of information, related to the different components of transaction mediation module **1.10**, which may be incorporated into the system **1.0** of **FIG.1**.

As per step **3.02** and step **3.10**, both the initiator and the responder register to the system. A responder is authorized for register only after checking his details e.g. reviews, bank account, method of payment) and a reliability wheel is then created (see below details on **Fig. 6**) . Once the initiator is registered, the initiator may send a request for a good/service in a natural language as per step **3.04**, the transaction request receiving component **3.20** is receiving it and forwarding it to the transaction request interpretation **1.18** which parses the transaction request into transaction keywords using a set of algorithms for processing the initiator request, removing irrelevant words and forwards the result to the transaction request matching **1.20**. The transaction request matching is then compiling a request provision list, including the matching goods /services appropriate to the initiator request. The list is then forwarded to the transaction request responder **1.22**, which compiles a list of potential responders being capable of providing the matching goods/services. An inter-communication process between responders and initiators occurs through the inter-parties communication component using which may include – chat with responders **3.06**, chat with initiators **3.16**. Once there is an agreement between the initiator and responder, transaction reply component **3.22** communicates the reply (answers from responders **2.14**) to the initiator.

The transaction meditation system provides the interactive link between the initiators and the responders, and display the various user interfaces (GUI **1.12**) of the present

invention. More details about the various user interfaces are mentioned below (see **Fig. 5- 18** details below).

Referring now generally to the figures and particularly to **FIG.4. FIG4** shows a sequence of the transaction mediation algorithm processed by the transaction mediation module of **FIG. 1.**

Upon any initiator request, the transaction mediation algorithm is initiated. The initiator request is processed with algorithms that extract the meaning of the request and identify the good/services that the initiator has demanded.

First irrelevant search words are removed as per step **4.12** and the request is parsed into transaction keywords as per step **4.14**, with the help of the data repository **1.50**. Next a search is performed to find the appropriate goods/services as per step **4.16** matching the initiator request, a list of relevant goods/services with matching qualifiers is built as per step **4.20** and then the list of relevant responders who offer such good/services with appropriate qualifiers is built, with the help of the database of responders, products and services **1.40**.

Referring now generally to the figures and particularly to Fig. 5 – 18, illustrating screen shots of the present invention.

In this example, the initiator is a buyer and the responders are sellers.

The screen shot displayed at **Fig. 5** is initiated by a buyer which is willing to look at his requests. Each request appears with the number of offers, and the best price.

When the buyer is selecting "offers", the GUI will display for each seller that enters an offer, the details of the offer, in that case, related to " iPhone 6S Back 16G for my daughter", as displayed at **Fig. 6**. Each seller is marked with a reliability blue wheel **602** associated to the reliability of the seller. The green icon **604** signifies that a chat occurred between the seller and the buyer. There is a limit on the number of offers – the system is limited to 30 offers – the purpose is not to overload the buyer with too much information.

Fig. 7- Fig. 8 represent screen shot appearing in case the buyer inserts a new request **702** in natural language. **Fig.7** illustrates the new request and additional details associated to this new request. **Fig. 8** illustrates a description of the new request added by the buyer.

Fig. 9 illustrates a screen shot in case the buyer is willing to take a look on his favorites associated to his previous requests – some of the sellers offer a gift as part of the deal **902**.

Fig. 10 illustrates a screen shot associated with the third offer that the buyer receives for "iPhone 6S Black 16G for my daughter" with details of the deal from the seller.

Fig. 11 illustrates a screen shot associated with the winner associated to the buyer's request for "iPhone 6S Black 16G for my daughter".

Fig. 12 illustrates a screen shot showing how many requests to which company happen.

Fig. 13 illustrates a screen shot representing for each buyer, how many offers for each of his requests, e.g. first buyer **13.2** requests for " iPhone 6S Black 16G for my daughter", gets 12 offers **13.4** , with description **13.8**.

A buyer also is associated with a reliability wheel **13.12**. The reliability wheel associated to an initiator is based on a number of criteria such as the number of times he really accepts responders offers, how many times the initiator clicks to get an offer and didn't accept any offer.

Fig. 14 illustrates a screen shot associated with companies and some details about these companies.

Fig. 15 illustrates a screen shot associated with the sales for one of companies presented at **Fig. 14** "Super Company LTD".

Fig. 16 illustrates a screen shot associated with the statistics for each these companies.

Fig. 17 illustrates a screen shot displaying a chat example between seller/buyer **17.02**.

CLAIMS

1. A system (1.00) for automatically matching at least two potential parties (1.20, 1.30) to a transaction proposal (2.2), said parties comprising an initiator (1.20) and at least one responder (1.30); said system comprising:

- 5 a. at least one transaction mediation module (1.10) for providing transaction mediation services, each transaction mediation module comprising digital data processing means (1.11), inter-parties communication means (1.12) and digital data memory storage (1.24);
- 10 b. a non-transitory computer readable medium for storing programmed instructions for implementing a transaction mediation algorithm (4.20) for instructing said at least one transaction mediation module (1.10); and
- c. a transaction response database (1.50) of potential responders and potential responder qualifiers, said potential responder qualifiers comprised of categories of data which are relevant for matching a potential responder to a transaction proposal; and
- 15 d. a data repository (1.60) which is a knowledge base including definitions of goods/services and associated structured data including qualifiers of said goods;

wherein said at least one transaction mediation module is configured by said transaction mediation algorithm [4.00] to implement:

- 20 i. a graphic interface module (1.12) displaying various user interfaces provided to said initiator and responder;
- ii. a registration module (1.14) to receive a registration request (3.02) from said initiator and registration request from said responder (3.10) and authenticate them;
- 25 iii. a transaction request receiving module (3.20) for receiving a transaction request (3.04) from said initiator, said transaction request comprising a description of goods or services for procurement;
- iv. a transaction request interpretation module (1.18) for parsing said transaction request made in natural language into transaction keywords for identifying
- 30 a. specific goods or services; and

- b. qualifiers of said goods or services;
- v. a transaction request matching module (1.20) for compiling a request provision list from said data repository database (1.60), said request response provision list comprised of matching goods or services (4.20) computed to match said description of said transaction request;
- vi. a transaction request responder module (1.22) for compiling a responder list from said transaction response database (1.50), each entry of said responder list comprised of (a) an identification of a potential responder computed to be capable of providing said matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to said transaction request ; and,
- vii. a transaction reply module (3.22) for composing and communicating a transaction request reply to said initiator, said transaction request reply comprising information elements from said responder list (4.22).

2. The system according to claim 1, wherein the initiator is a buyer and the responder is a seller.

3. A method for automatically matching at least two potential parties (1.20, 1.30) to a transaction proposal (2.2), said parties comprising an initiator (1.20) and at least one responder (1.30); said method comprising:

- a. providing a data repository (1.60) which is a knowledge base including definitions of goods/services and associated structured data including qualifiers of said goods;
- b. providing a transaction response database (1.50) of potential responders and potential responder qualifiers said potential responder qualifiers comprised of categories of data which are relevant for matching a potential responder to a transaction proposal (2.2);
- c. displaying various user interfaces provided to said initiator and said responder, by employing a graphical interface module (1.12);
- d. registering said initiator and said responder after, authenticating them, by employing a registration module (1.14);

- 5 e. transforming a transaction request made in natural language into a set of structured data in said data repository by employing a transaction request receiving module, a transaction request interpretation module wherein said transaction request receiving module (3.20) receives a transaction request (2.2) from said initiator, said transaction request comprising a description of goods or services for procurement and wherein said transaction request interpretation module (1.18) parses said transaction request made in natural language into transaction keywords for identifying
- 10 a. specific goods or services; and
b. qualifiers of said goods or services;
- f. compiling a request provision list, computed to match said description of said transaction request thanks to a transition request matching module (1.20) and said data repository database (1.60);
- 15 g. compiling a responder list wherein each entry of said responder list comprised of (a) an identification of a potential responder computed to be capable of providing said matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to said transaction request, by employing a transaction request responder module (1.22) and said transaction response database (1.50); and,
- 20 h. composing and communicating a transaction request reply to said initiator by employing a transaction reply module (3.22), wherein said transaction request reply is comprising information elements from said responder list (4.22).
4. The method according to claim 3, wherein the initiator is a buyer and the responder is a seller.
- 25 5. A non-transitory computer-readable medium with instructions stored thereon, that when executed by a processor, performs the steps comprising:
- a. displaying various user interfaces provided to said initiator and said responder by employing a graphical interface module (1.12);

b. registering said initiator and said responder after authenticating them, by employing a registration module (1.14);

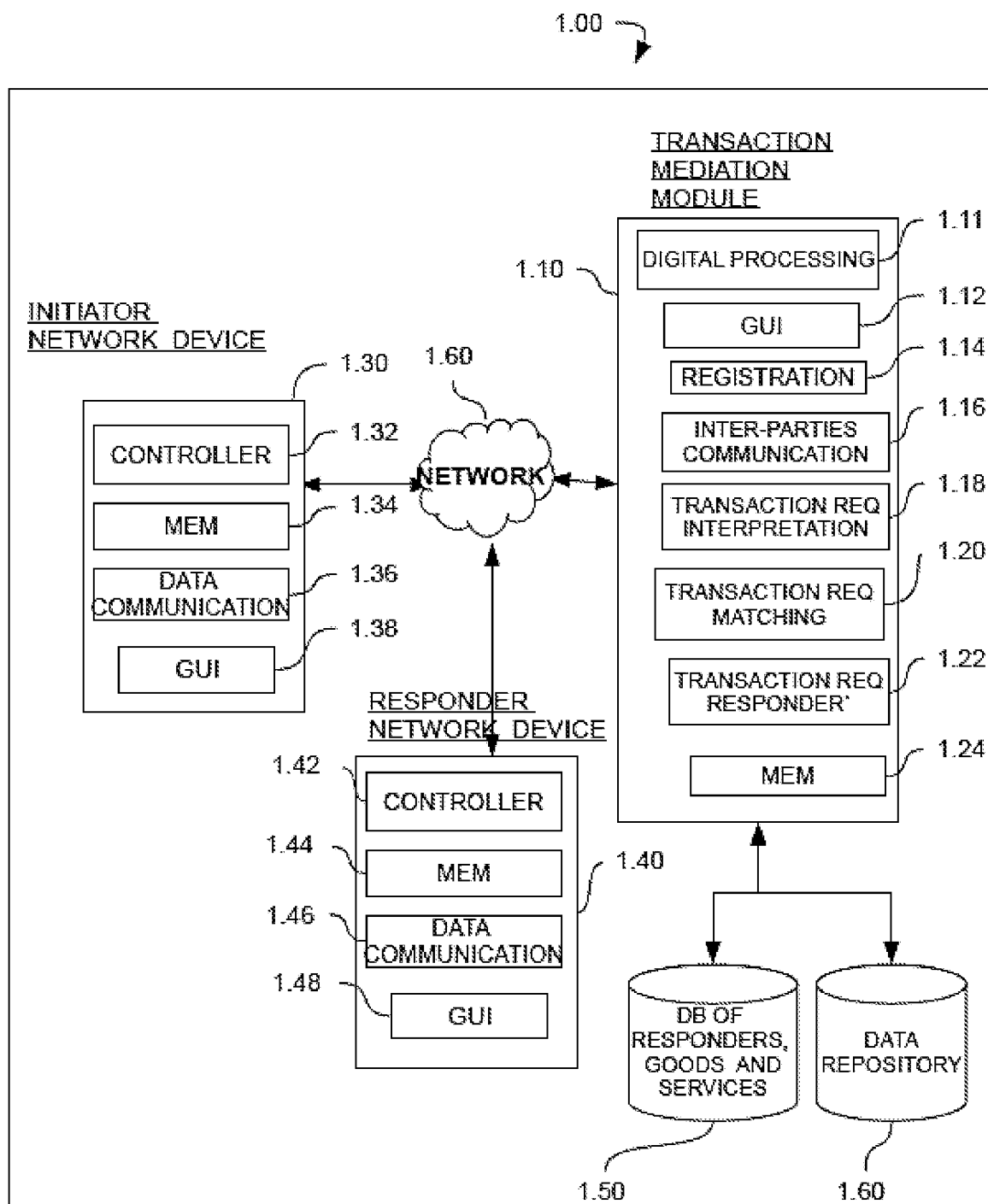
c. transforming a transaction request made in natural language into a set of structured data by employing a transaction request receiving module, a transaction request interpretation module wherein said transaction request receiving module (3.20) receives a transaction request (2.2) from said initiator, said transaction request comprising a description of goods or services for procurement and wherein said transaction request interpretation module (1.18) parses said transaction request made in natural language into transaction keywords for identifying

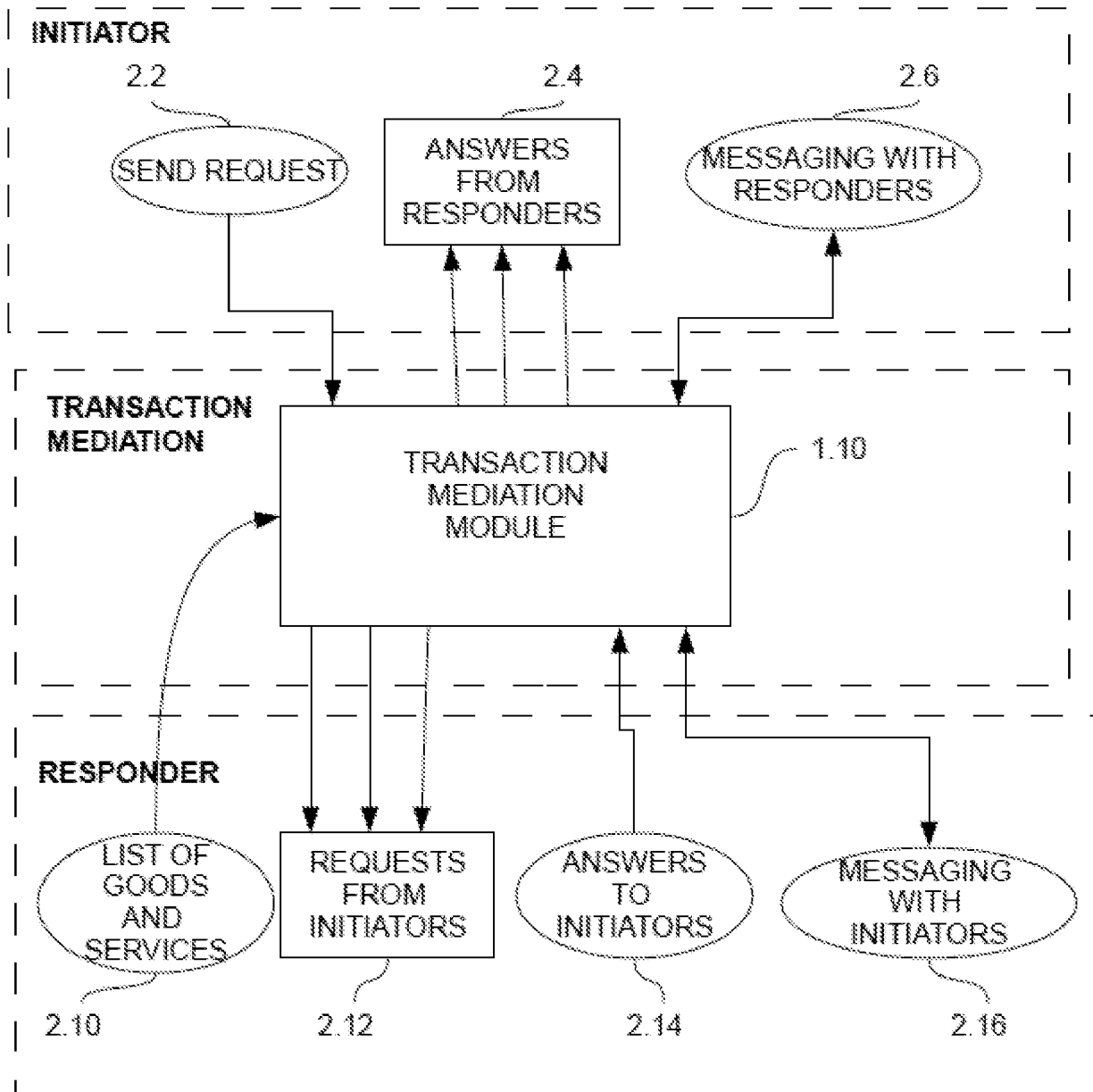
- specific goods or services; and
- qualifiers of said goods or services;

d. compiling a request provision list, computed to match said description of said transaction request, by employing a transition request matching module (1.20) and said data repository database (1.60);

e. compiling a responder list wherein each entry of said responder list is comprised of (a) the identification of a potential responder computed to be capable of providing said matching goods or services, and (b) one or more potential responder qualifiers computed to be relevant to said transaction request, by employing a transaction request responder module (1.22) and a transaction response database (1.50); and

f. composing and communicating a transaction request reply to said initiator by employing a transaction reply module (3.22), wherein said transaction request reply is comprising information elements from said responder list (4.22).

*Figure 1*

*Figure 2*

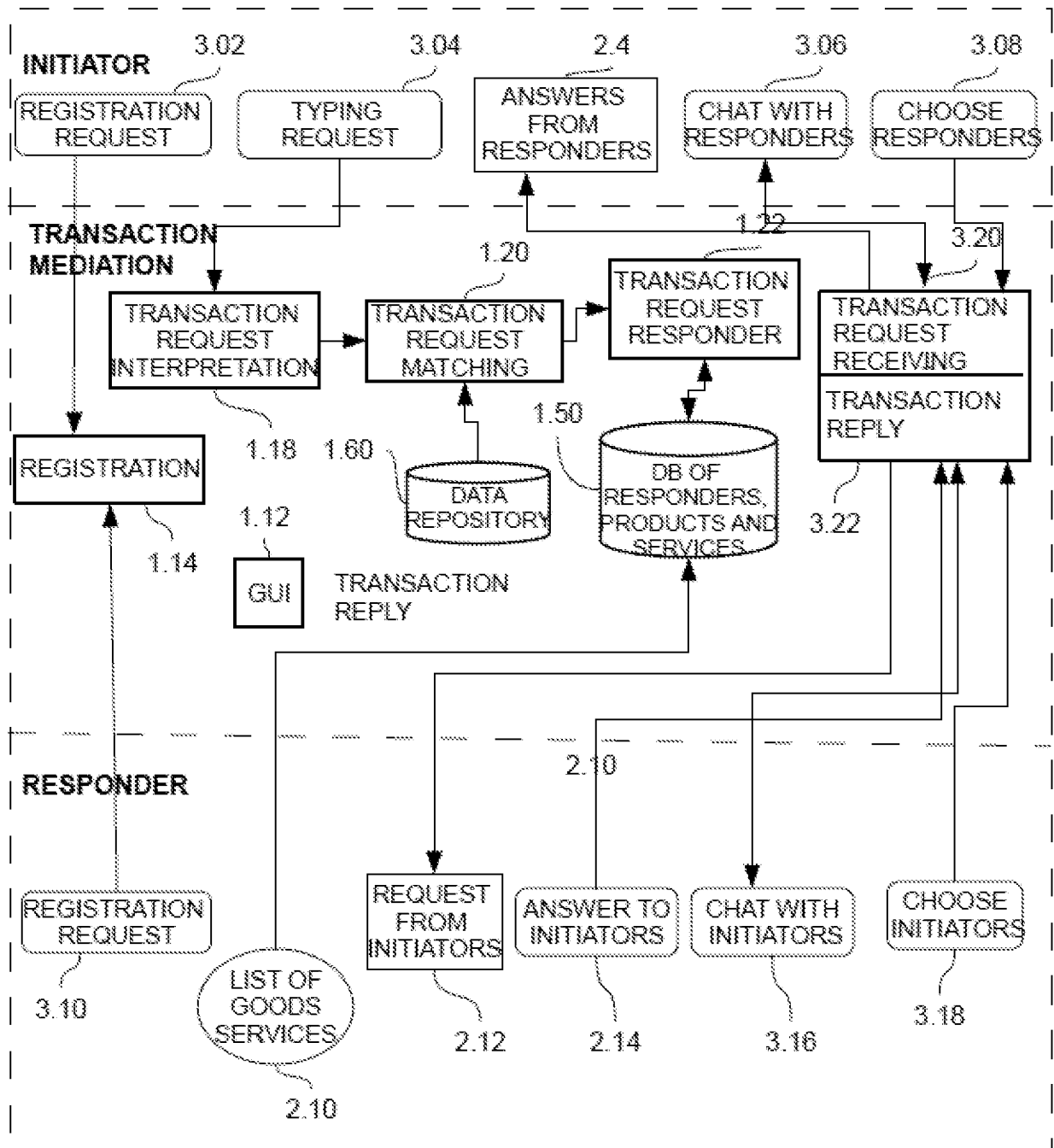
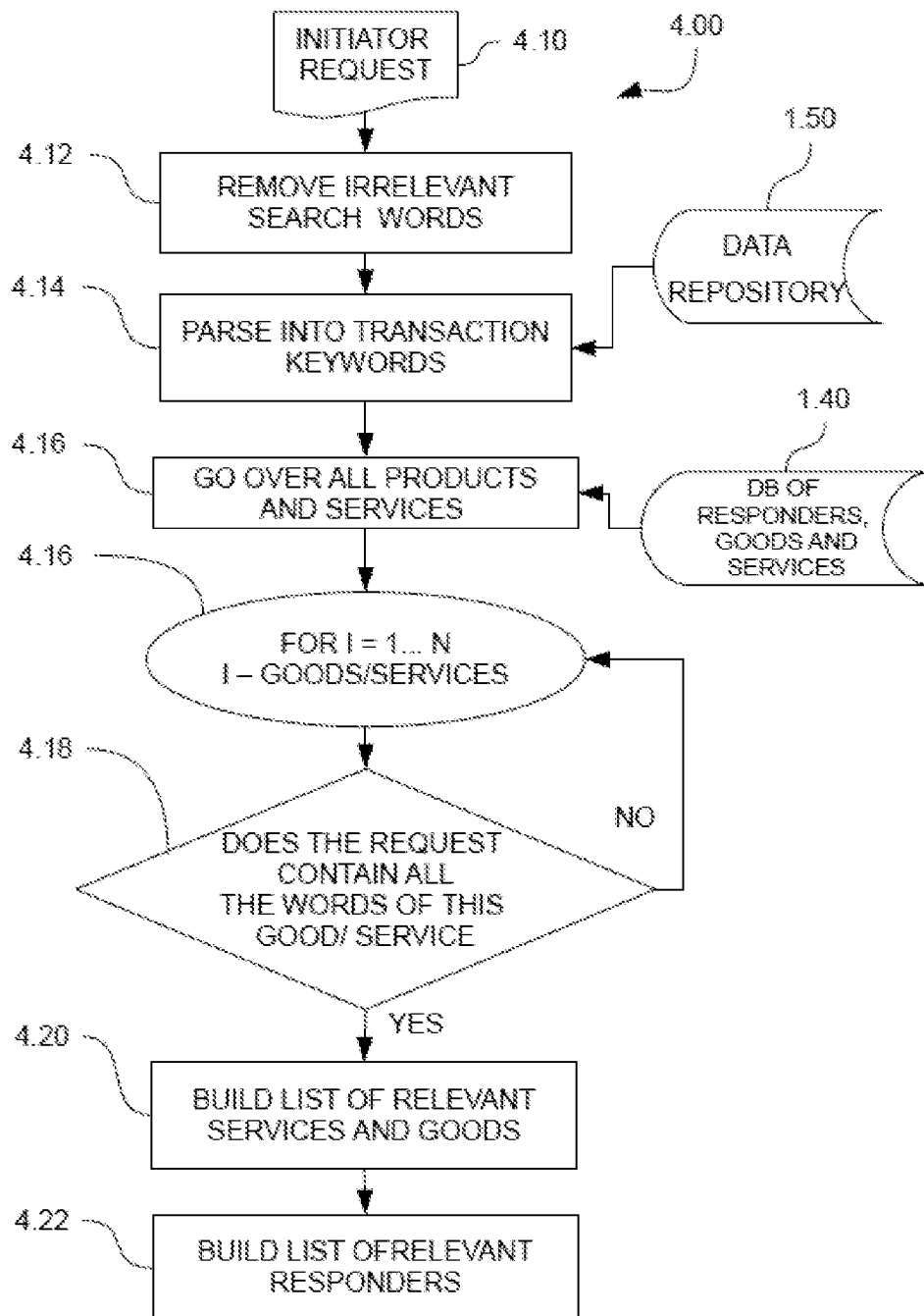


Figure 3

*Figure 4*

Seller Buyer 23				
My requests				
My requests (6) New request Seller Inbox (23) Statistics Company Payments	Request iPhone 6S Black 16G for my daughter Samsung S6 Apple Home Video Monitor 24"	Offers 3 offers 0 offers 3 offers	Best price 100 \$ 100 \$	Updated 31/12/2015 19:02 31/12/2015 19:02 31/12/2015 19:02

Figure 5

602

Buyer	My requests / iPhone 6S Black 16G for my daughter										Seller	Buyer
My requests (6)	Request	Favorites	Wishlist									
New request	Chat	Seller	Delivery address	Color	Size	Delivery time	Materials	Guarantee	Price	Gift	Received	
Seller												
Inbox (23)				Black					100 \$		07:23 AM	
Statistics									100 \$		07:23 AM	
Company				Black					100 \$		07:23 AM	
Payments					Large			6 months	100 \$		07:23 AM	
									105 \$		07:23 AM	
					Large	2 weeks	Wood		110 \$		07:23 AM	
							Wood		120 \$		07:23 AM	
							Wood		120 \$		07:23 AM	
				Black					130 \$		07:23 AM	
					Large			6 months	130 \$		07:23 AM	

604

Figure 6

Buyer

My requests (6)

New request

Seller

Inbox (23)

Statistics

Company

Payments

Request

I Need A New Car Leasing & Contract Hire

Requirements

Condition

Expected price

Max price

Payment methods

Payments count

Size

Quantity

Color

Materials

Add attachments

Send request

Please fill out click-by-click as many properties as you can!

Seller

Buyer

Figure 7

 Seller  Buyer	
 Buyer My requests (6) New request  Seller Inbox (23) Statistics Company Payments	Request I Need A New Car Leasing & Contract Hire Requirements Click here to add requirement  Description red color no more than 100 000 \$  Add attachments Send request
	Please write description for Sellers for example: I'm searching for babysitter for my daughter 8 years old. You can also add pictures and links to others websites.

Figure 8

902

My requests / iPhone 6S Black 16G for my daughter

Request

Statistics

Winner

Offer

Seller Buyer

Chat	Seller	Price	Gift	Delivery address	Color	Size	Delivery time	Materials	Guarantee	Received
	 *****	160 \$		✓	White, Black	Large	2 weeks	✓	6 months	07:23 AM
	 *****	130 \$		✓	✓	Large	✓	✓	6 months	07:23 AM
	 *****	110 \$		✓	✓	Large	2 weeks	Wood	✓	07:23 AM
	 *****	100 \$		✓	✓	✓	✓	✓	✓	07:23 AM

Buyer

My requests (6)

New request

Seller

Inbox (23)

Statistics

Company

Payments

Figure 9

Seller

Reviews (24)

Offer₁

Offer₂

Offer₃

Chat

01/01/2016 21:13

P871.G962.B897/1A

iPhone 6S Black 16G for my daughter

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Requirement	Buyer	Seller
Price	100\$	120\$
Quantity	1 pcs	✓
Delivery time	2 days	1 week

Gift

Second smartphone for half price!!!!

Seller comments

Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu.

Figure 10

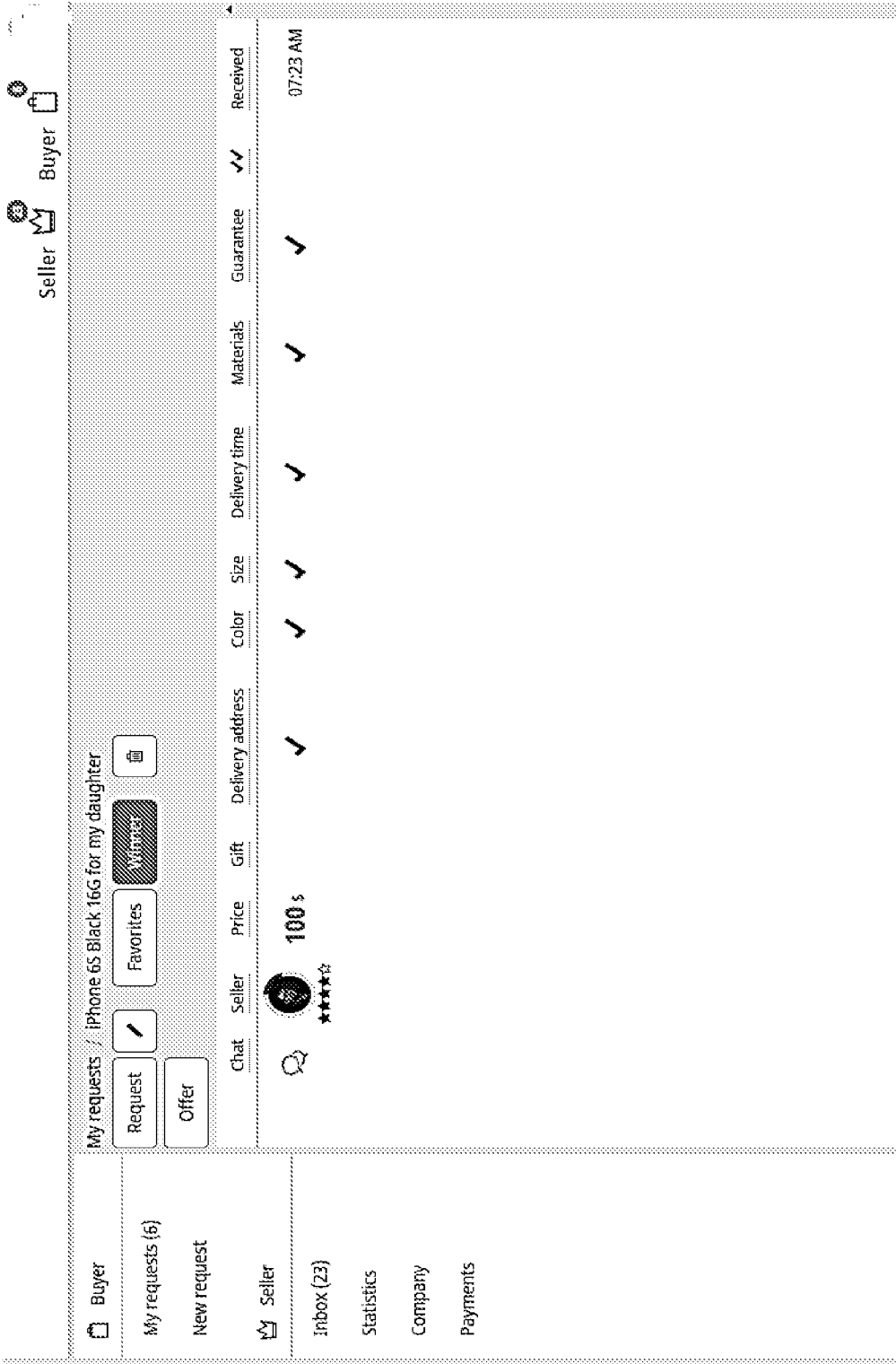


Figure 11

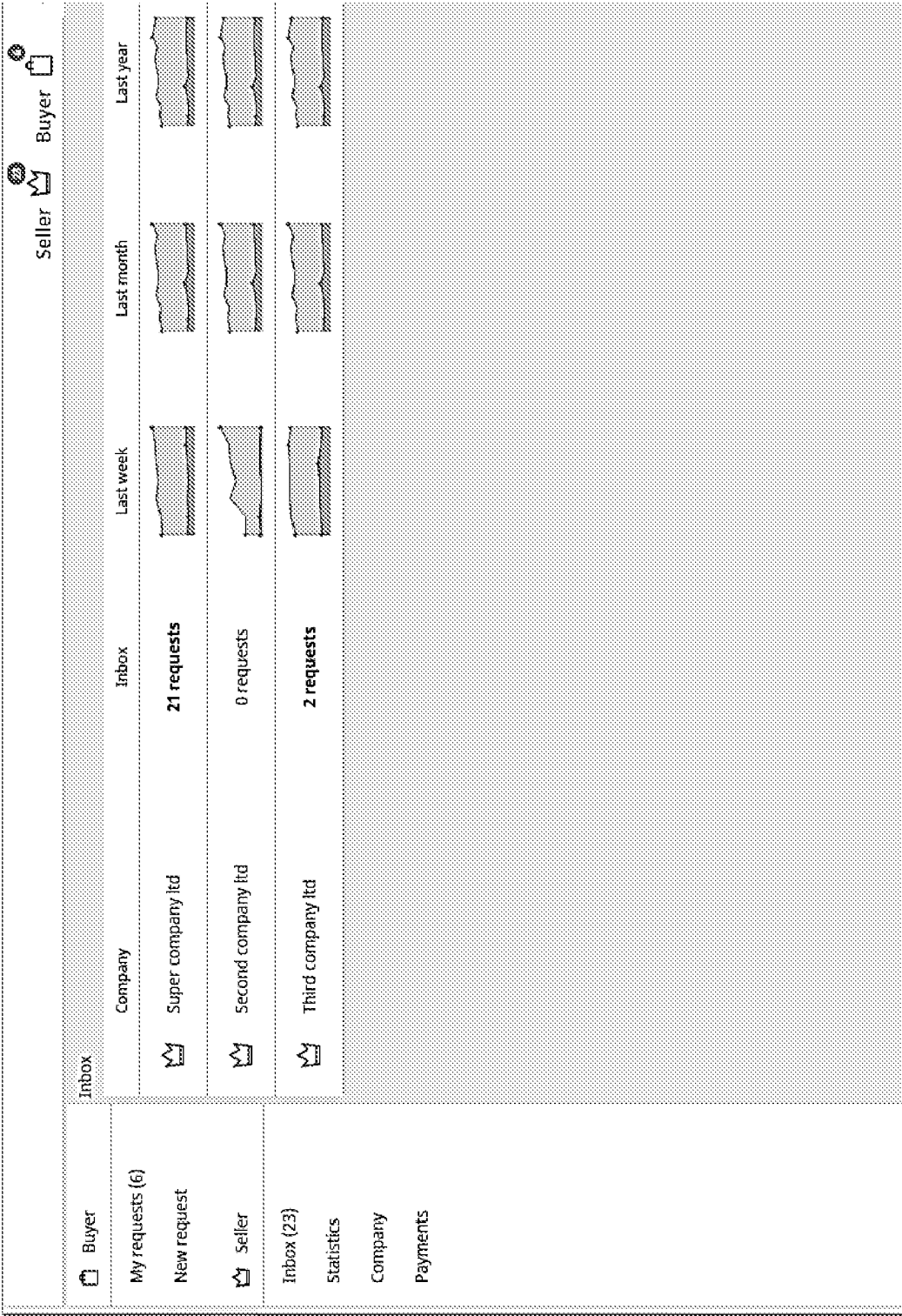


Figure 12

Buyer My requests (6) New request Seller 13.2 Inbox / Super company ltd Favorites Sales Request and requirements 12 ? 5 ? 2 ? 30 ? 15 ? 10 ? 3 ? 6 ? 9 ?	
---	--

Figure 13

Buyer

My requests (6)

New request

Seller

Inbox (23)

Statistics

Company

Payments

Inbox

Super company ltd

Chat

Buyer

Offers

Request and requirements

5

Indoor G5.3 crystal light, K9 crystal spotlight ceiling light

100\$, London EC4A 1DE, UK, 12 Volt, Crystal

07:20 AM

2

Apple Home Video Monitor 24"

2300\$, 1 Plough Pl London EC4A 1DE, UK, Black, 2 days, Metal, 2 years

07:11 AM

15

HOKA running man shoe model Clifton 2 size 10.5 US size

90\$, 12 Main ave, London EC4A 1DE, UK, 10.5-11 US Size, Black

04:34 AM

10

Puffy fairy ballet skirt tutu with butterfly wings for girls

90\$, London EC4A 1DE, UK, for girl 10 years old, Black

04:28 AM

Seller

Buyer

Figure 14

Seller

Buyer

</

Figure 15

		 Seller  Buyer	
Statistics			
 Buyer	Company	Total Requests	Total Sales
My requests (6)	Super company ltd	5,036	591
New request	Second company ltd	4,821	423
 Seller	Third company ltd	28,218	2,091
Inbox (23)	Total	32,561	3,192
Statistics			482,560 \$
Company			2,160
Payments			
		Total Revenue	Total Buyers
		80,127 \$	345
		120,645 \$	690
		289,126 \$	1,129

Figure 16

17.2

17.2 →

Buyer

My requests (6)

New request

Seller

Inbox (23)

Statistics

Company

Payments

Inbox / Super company ltd

Chat Buyer Offers Request and requirements

100\$, London EC4A, UK, 12 Volt, Crystal

2 2300\$, London EC4A, UK, Black, 2 days, Metal, 2 years

30 1500\$, London EC4A, UK, 230 Volt, 1Tb, 8Gb

15 90\$, London EC4A, UK, 10.5-11 US Size, Black

10 90\$, London EC4A, UK, for girl 10 years old, Black

3 190\$, London EC4A, UK

6 0.01\$, London EC4A 1DE, UK, 10000 pcs

9 250\$, London EC4A, UK, 2 days

5 100\$, London EC4A 1DE, UK, 12 Volt, Crystal

250mm plastic rotating mini world globe

Seller

Smith

1000 John Deo Hello!

1000 Smith Hi, How are you? What about our next meeting?

1001 John Deo Yeah everything is fine

1002 Smith Wow that's great

Enter your text

Received

07:11 AM

06:22 AM

05:12 AM

04:34 AM

04:28 AM

02:22 AM

02:05 AM

01:29 AM

01:20 AM

04:07 AM

Description

Donec pede justo, fringilla vel, aliquet

Nuliam dictum felis eu pede mollis

Integer tincidunt Cras

Vivamus elementum

Aenean vulputate eleifend tellus.

Aenean leo ligula, porttitor eu,

porttitor eu, consequat vitae,

consequat vitae, eleifend ac, enim -

In enim justo, rhoncus ut,

Nuliam dictum felis

Figure 17

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2017/050437

A. CLASSIFICATION OF SUBJECT MATTER IPC (2017.01) G06Q 30/00, G06Q 30/02, G06Q 30/06, G06F 17/30, G06F 17/50 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC (2017.01) G06Q 30/00, G06Q 30/02, G06F 17/30, G06F 17/50, G06Q 30/06 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Databases consulted: Esp@cenet, Google Patents, Google Scholar, FamPat database Search terms used: buyer seller natural language request query offer		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2015097544 A1 TC LOGICIEL S. A. R. L.[CH] 02 Jul 2015 (2015/07/02) The whole document	1-5
X	US 2012185330 A1 KLEINROCK et al. 19 Jul 2012 (2012/07/19) The whole document	1-5
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 18 Jul 2017		Date of mailing of the international search report 19 Jul 2017
Name and mailing address of the ISA: Israel Patent Office Technology Park, Bldg.5, Malcha, Jerusalem, 9695101, Israel Facsimile No. 972-2-5651616		Authorized officer PLACHINTA Ekaterina Telephone No. 972-2-5651740

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IL2017/050437

Patent document cited search report	Publication date	Patent family member(s)	Publication Date
WO 2015097544 A1	02 Jul 2015	WO 2015097544 A1	02 Jul 2015
		CH 709062 A1	30 Jun 2015
		CH 709062 B1	28 Feb 2017
		FR 3016069 A3	03 Jul 2015
		FR 3016069 B3	22 Apr 2016
		WO 2015097500 A1	02 Jul 2015
US 2012185330 A1	19 Jul 2012	US 2012185330 A1	19 Jul 2012