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(54) Title: A WAY TO CREATE AND USE A GLOBAL DIRECTORY OF MANUFACTURERS, SERVICE PROVIDERS AND TRADERS AND A SYSTEM ENABLING TO CREATE AND USE A GLOBAL DIRECTORY

(57) Abstract: The subject of the invention is the way to create and use a global directory of manufacturers, service providers and traders, and a system enabling to create and use a global directory, applied in logistics and advertising for establishing contacts between companies, institutions and private persons, being the customers and users in the product and service market. The way as per invention consists in that a customer (K) through a computer (PC) and access to the network fills in a registration form (f_{reg}) in one or more qualification subgroups: manufacturers (P), service providers (U) and traders (H), marks the country, entry time, and the user (U) starts the controlled search process, entering a searched entry into the web page, being the search key in the directory base (B_{Sp}). The customer (K) and the user (U) have the phrase (f_{web}) prompting system at their disposal. The system as per invention is in the form of a base (B_{Sp}), which in each of qualification groups (P), (U) and (H) incorporates a main phrase set (f_{web}) translated into (f_{web}) world languages, and a set of phrase (f_{web}) assigned synonyms (s_{f_{web}}).
Description

A WAY TO CREATE AND USE A GLOBAL DIRECTORY OF MANUFACTURERS, SERVICE PROVIDERS AND TRADESMEN AND A SYSTEM ENABLING TO CREATE AND USE A GLOBAL DIRECTORY

Technical Field

[0001] The subject of the invention is the way to create and use a global directory of manufacturers, service providers and tradesmen, and a system enabling to create and use a global directory, applied in logistics and advertising for establishing contacts between companies, institutions and private persons for commercial and collaboration purposes as well as for mutual information of manufacturers and service providers in various trades and specialities.

Background Art

[0002] Known is a way to create a standard base in form of the publication “yellow pages” consisting in collecting basic data from interested companies and institutions by a publisher. The data usually including: address, phone No. and facsimile and specification of the business scope are collected by a publisher during a year in writing, by phone and electronic mail, grouped by trades or territory and then periodically, namely once a year printed and distributed to individual interested customers. The way of use consists in selecting a required company or institution as per alphabetical list or divided into trades and noting down its data in order to establish contact or to continue collecting data. The company database created by the known method is the publication in form of a book or a compact disk with the territorial range confined to a city, province, sometimes covering a whole country. The drawback of such creation and use of “yellow pages” is a laborious searching, not always warranting a precise determination of a sought institution or a company as well as uncertainty as to relevance of found data.

[0003] Known are also modern ways of acquiring data, establishing contacts and advertising between companies or institutions, through website editing and advising potential customers about them. The use consists in searching through search engines, upon defining descriptors determining the trade, scope or speciality of the institution – website owner or entering the detailed Internet address. The inconvenience of these ways are a considerable latitude of provided information, being the result of ingenuity or institution’s editing and advertising skills at its website – what not always facilitates finding required information.
[0004] Known also from the P 366 113 invention application entitled “Computer implemented transaction system” are a system and a way of system realization, based on applying a server configured as a master computer in the www network node. The system features an interface for accepting customers’ entries who report, submitting their offers or requirements for products or services – classified as per a set of many designated criteria. The system includes as well an n-dimensional database for storing entered offers and requirements, depending upon their classification and a search mechanism enabling to scan the database in accordance with the required number of classifications. The drawback of the known system and way is however its too general search, and in consequence, a considerable randomness of such search outcome. It may cause a difficulty to find these most expected among enormous number of entered data.

**Disclosure of Invention**

**Technical Problem**

[0005] The aim of the invention is to avoid the inconveniences of known ways of database or publication creation and use and to develop a modern, consistent and simultaneously prone to changes and modifications way to make contact and exchange data between companies, institutions and private persons as well as a system enabling to create and use a worldwide directory.

**Technical Solution**

[0006] This goal was achieved by elaborating a way to create and use a global list of manufacturers, service providers and tradesmen, as per invention, consisting in that the customer making use of a computer and access to the network, fills in a registration form in Internet, in one or more from three, appropriate qualification subgroups, applying to: manufacturers, service providers and tradesmen. When filling in the country of the customer’s seat is being marked, entry time is noted down and the data in the registration form are filled in one of the world languages. The user enters a searched entry into the web page, advantageously in one from three appropriate qualification subgroups and starts the controlled search process.

[0007] At the same time both the customer and the user may avail themselves of the phrase prompting system. The entry time is usually the date and time of the form completion by the customer. The data in the registration form are advantageously entered in one of the six languages: English, German, French, Spanish, Russian and Polish. In the way as per invention the data in the customer’s registration form are systematically updated in the global directory and obsolete data are removed or complemented. The confirmation of customer’s existence and activity can advantageously be made through transferring charges in favour of the directory owner in the amount agreed from time to time.
Both the directory owner and its user have the possibility to contact the customer.

The invention features also a system enabling the creation and use of the global directory. The system is in the form of a dynamically supplemented base, which in each of the directory qualification subgroups incorporates a main phrase set with the synonyms assigned to them by a moderator. Each main phrase is translated into several world languages.

The system with each working-copy customer entry into the registration form ensures a controlled phrase deployment in the base, moreover new phrases are classified by the moderator and deployed as synonyms of main phrases or as new main phrases.

**Advantageous Effects**

The way and system as per invention are an example of unexpected, practical combination of a very high potential of modern computers and the benefits from using Internet with human imagination and ingenuity. The moderator's work regarding assignment of main phrases and their synonyms as well as phrase translation into other global languages results in the global inventory nearly faultlessly accomplishing the needs of customers and users.

**Brief Description of the Drawings**

The invention in an exemplary execution is shown on a drawing, of which Fig.1 shows the diagram of executing a way and connections between the owner of the global directory of manufacturers, service providers and tradesmen, the customer and the user, when creating and using the directory, and Fig.2 shows the system enabling the creation and use of the directory base, while Fig.3 shows the system taking into consideration the moderator's work at supplementing the global directory base following a new customer's entry.

**Best Mode for Carrying Out the Invention**

The global directory as per the invention is created by the directory owner (W.Sp.), assigning it advantageously in advance to the qualification subgroups: manufacturers (P), service providers (U) and tradesmen (H). The customer (KI) fills in the registration form (F_1), giving such data as: name, address, contact phone, etc., marks the country of its domicile and operation as well as selects a language from prompted world languages in which the customer (KI) completes its entry. The customer (KI) gives also territorial data, taking into consideration the specifics of its country, namely a voivodship/province, a county/district or other specific data. The entries referring to its business, i.e. manufacture, services or commerce are completed by the customer (KI) using a system of phrase prompting incorporated in the directory system. Upon completion of the registration form (F_1) the customer (KI) has a possibility to update
data online and to pay the usage charges. The user (Uż), searching for the service rendered or a goods manufacturer in the selected qualification subgroup, provides the words being namely a name of the service and simultaneously makes use of the phrase prompting system too. The user (Uż) selects the language of the search which does not necessarily has to be the official language in the Customer’s (KI) country. The directory owner (W.Sp.) as well as the user (Uż) has the opportunity to establish contact with the customer (KI).

[0014] The system enabling to create and use the global directory of manufacturers, service providers and tradesmen, has in each of qualification subgroups (P), (H) and (U), a set of main phrases (f₁ -fₘ) to which the moderator (Mod.) has synonyms (s₁ -sₓ) assigned. Each phrase (f) is translated in the global directory base (B.Sp.) into (j₁ -jₓ) world languages. In case of a new customer’s (KI) entry into the registration form (Fₙₛ) the system ensures the controlled phrase (f) deployment in the base (B.Sp.). New phrases (f’), not yet existing in the base, are classified by the moderator (Mod.) and deployed as synonyms (s₁ -sₓ) of main phrases or as main phrases (f₁ -fₘ).

[0015] The system operates under a program which ensures the phrases (f), already in the base (B.Sp.) are not referred to the moderator (Mod.).

[0016] The use of the way and system as per invention is as follows: a customer (KI) enters a server (S.W) of the directory owner (W.Sp.), picks up a registration form (Fₙₛ) and registers with a selected directory (P), (U) or (H).

[0017] The customer’s (KI) registration is effected either personally or by a middleman, i.e. a partner, a sales representative. The user (Uż) selects the directory owner’s (W.Sp.) service through its computer (PC) and via Internet network. In the service the user (Uż) selects one from n languages in a respective directory (P), (U) or (H), enters a search-ed product or service and marks the search area – namely narrows the search area from whole country to one province. In the result the user (Uż) finds all companies, institutions or private persons which in their entries put a phrase specified by the user (Uż). The priority of found contracting parties may depend upon the entry date. The criterion of arranging the entry priority of the companies or institutions can be different: namely arranged by the charge payment date for the directory owner (W.Sp.) or by the amount paid.

[0018] The base (B.Sp.) of the global directory of manufacturers, service providers and tradesmen is so built and the phrases, their translations and synonyms so mutually assigned (interlinked) that the user (Uż), searching for contact in Polish finds a foreign, namely French customer (KI), giving Polish phrase names.

**Industrial Applicability**

[0019] The solution as per invention shall find application in commercial, manufacturing
and advertising relations between corporations and private persons – making use of computer technical potential and accesses to the global Web. Both the way of creating and using the global directory as well as the system for its implementation enables a clear and unambiguous classification of the customers: manufacturers, service providers and tradesmen as well as significantly reduces the search time for directory users.
Claims

[0001] A way to create and use a global directory of manufacturers, service providers and tradesmen, consisting in entering basic data of companies, institutions and private persons being their offers or requirements in the base as well as searching these data as per criteria, characterized in that a customer (K1) through its computer (PC) and via access to network fills in a registration form (\( F_{reg} \)) in Internet, in one or more, advantageously, from three, appropriate qualification subgroups, applying to: manufacturers (P), service providers (U) and tradesmen (I), marks the country of its seat and simultaneously entry time is noted down, while the data in the registration form (\( F_{reg} \)) are completed by the customer (K1) in one of the world languages (j-j_s), whereas the user (U\( \tilde{z} \)) enters a searched entry into the web page in one from three qualification subgroups, starting the controlled search process, at the same time both the customer (K1) and the user (U\( \tilde{z} \)) can make use of the phrase (f) prompting system.

[0002] A way to create and use a global directory as per claim 1, characterized in that the entry time is advantageously the date and time of the registration form (\( F_{reg} \)) completion by the customer (K1).

[0003] A way to create and use a global directory as per claim 1, characterized in that the data in the registration form (\( F_{reg} \)) are advantageously entered in one of six languages: English, German, French, Spanish, Russian and Polish.

[0004] A way to create and use a global directory as per claim 1, characterized in that the customer (K1) updates the data in the registration form (\( F_{reg} \)) as required and removes obsolete data or complements them.

[0005] A way to create and use a global directory as per claim 1, characterized in that the confirmation of customer’s (K1) existence and activity in the directory can advantageously be made through transferring charges in favour of the directory owner (W,Sp.) in the amount agreed from time to time.

[0006] A way to create and use a global directory as per claim 1, characterized in that both the directory owner (W,Sp.) and the user (U\( \tilde{z} \)) have the possibility to contact the customer (K1).

[0007] A system enabling the creation and use of the global directory of manufacturers, service providers and tradesmen characterized in that it is in the form of a dynamically supplemented base (B,Sp.), which in each of its qualification subgroups (P), (U) and (I) incorporates a set of main phrases (\( F_{\_m} \)) to which the moderator (Mod.) assigns synonyms (\( S_{\_m} \)) at the same time each main phrase (\( F_{\_m} \)) is translated into (j-j_s) world languages.

[0008] A system enabling the creation and use of the global directory as per claim 7
characterized in that with each new-customer’s (KI) entry into the registration form (\(F_{\text{reg}}\)) ensures a controlled phrase (f) deployment in the base (B.Sp.), whereas new phrases (f') are classified by the moderator (Mod.) and deployed as synonyms (s_f - s f) or as main phrases (f - f').
[Fig. 0003]

new entry $\rightarrow F_{rel}$

existing phrases $f_1, f_2$

existing phrases $f_1', f_n'$

Mod. $\rightarrow$ new main phrases $f_1 - f_m$

synonyms $s_1 f_1 - s_x f_m$

TL $\rightarrow$ B. Sp.