

Exhibit 4

**UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF VIRGINIA
NORFOLK DIVISION**

I/P ENGINE, INC.,)	
)	
Plaintiff,)	
v.)	Civ. Action No. 2:11-cv-512
)	
IAC, INC. et al.,)	
)	
Defendants.)	
)	

**PLAINTIFF I/P ENGINE, INC.’S PRELIMINARY DISCLOSURE OF
ASSERTED CLAIMS AND PRE-DISCOVERY INFRINGEMENT CONTENTIONS
AS TO IAC SEARCH & MEDIA, INC.’S USE OF
GOOGLE ADWORDS AND GOOGLE ADSENSE FOR SEARCH**

Plaintiff I/P Engine, Inc. (“I/P Engine”) hereby makes the following Disclosure of Asserted Claims and Pre-Discovery Infringement Contentions for U.S. Patent Nos. 6,314,420 (“the ‘420 patent”) and 6,775,664 (“the ‘664 patent”).

A. Identification of Asserted Claims and Infringing Products

Defendant IAC Search & Media, Inc.’s (“IAC”) systems using Google, Inc.’s products, methods and systems promoted under the names of Google AdWords and Google AdSense for Search¹ (collectively “Google AdWords”) are accused of infringing at least the following claims:

- claims 10, 14, 15, 25, 27 and 28 of the ‘420 patent; and
- claims 1, 5, 6, 21, 22, 26, 28 and 38 of the ‘664 patent.

Each asserted claim of the ‘420 and ‘664 patents is reproduced in the attached claim charts. The left column of the claim charts includes the language of each claim; each element of

¹ Google AdWords and Google AdSense for Search appear to refer to the same system. Google AdWords facilitates creating and running advertisements, while Google AdSense for Search enables websites to display the AdWords advertisements in response to search queries. IPE0000009; IPE0000031; IPE0000045.

each claim is listed separately. The right column of the claim charts includes the features of IAC's system using Google AdWords (e.g., IAC's Implementation of the Google AdWords System) that I/P Engine contends infringe each corresponding limitation in the claim based on evidence currently available to I/P Engine. Based on the attached claim charts, IAC is liable for direct infringement of the '420 and '664 patents.

These claim charts can be, and will be, supplemented and/or amended based upon discovery, additional evidence, further investigation, and/or the claim construction by the Court.

B. Identification of Infringing Structure, Acts, and/or Materials

As demonstrated by the attached claim charts and as described in marketing materials and other publicly available sources, each limitation of each claim of the '420 and '664 patents asserted against IAC is literally present in IAC's system using Google AdWords. If IAC contends that any limitation of any of the asserted claims is not literally present in IAC's system using Google AdWords, any such limitation of the asserted claims is present under the doctrine of equivalents because the difference(s), if any, between IAC's system using Google AdWords, and what is literally claimed in the asserted claims is(are) insubstantial. I/P Engine will provide contentions under the doctrine of equivalents if, after, and when IAC identifies which elements it contends are not present in IAC's system using Google AdWords.

C. Identification of Priority Date

Each of the asserted claims of the '420 and '664 patents is entitled to a priority date at least as early as the effective date of the '420 patent, i.e., December 3, 1998 (based on the filing date of the patent application, U.S. Patent Application No. 09/204,149, that issued as the '420 patent). Additionally, each of the asserted claims of the '420 and '664 patents may be entitled to an earlier effective date based on, without limitation, the filing of earlier related patent applications.

D. Indirect Infringement Disclosures

As demonstrated by the attached claim charts, the use of IAC's system using Google AdWords directly infringes the asserted claims of the '420 and '664 patents and establishes the prerequisite act of direct infringement. IAC has also had knowledge of the '420 and '664 patents at least as early as the filing date of this lawsuit, September 15, 2011 (D.I. 001).

IAC, via publicly available materials, provides, sells, offers for sale, and/or promotes the infringing system to customers that use IAC's system using Google AdWords. Based on these materials and uses, IAC intends for its customers to use IAC's system using Google AdWords in an infringing manner. Thus, IAC intends to cause infringement of the '420 and '664 patents.

By making, using, providing and promoting IAC's system using Google AdWords, and by continuing to provide and/or promote its website, with the intention of causing at least some customers to use IAC's system using Google AdWords in an infringing manner, IAC actively and knowingly aids and abets infringement of the '420 and '664 patents and is liable under induced infringement.

In addition, IAC's system using Google AdWords is a material part of the claimed invention of the '420 and '664 patents. IAC's system using Google AdWords is especially made or especially adapted for use with only infringing search engine systems and/or search systems. Furthermore, IAC's system using Google AdWords is not a staple article. IAC's system using Google AdWords is not a commodity of commerce and can only be used with infringing search engine systems and/or search systems. IAC's system using Google AdWords is also not suitable for substantial non-infringing uses. Therefore, IAC is liable as a contributory infringer.

These contentions are preliminary, are based on known publicly available information, and are subject to change based on the Court's claim construction. I/P Engine

reserves the right to amend and/or supplement these infringement contentions if and when further information regarding IAC's system using Google AdWords becomes available and/or for other good cause.

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CLAIM CHART FOR INFRINGEMENT OF U.S. PATENT NO. 6,314,420

IAC's Implementation of the Google AdWords System

CLAIM 10	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>a. A search engine system comprising:</p>	<p>The preamble is typically not a limitation and thus no comparison needs to be made between the accused system, the Ask Website, and the preamble. <i>See, e.g., Symantec Corp. v. Computer Associate Intern., Inc.</i>, 522 F.3d 1279, 1288 (Fed. Cir. 2008)(“Absent clear reliance on the preamble in the prosecution history, or in situations where it is necessary to provide antecedent basis for the body of the claim, the preamble generally is not limiting.”)(quotation omitted). However, the Ask Website includes a search engine system.</p> <p>The Ask Website (www.ask.com) includes a search engine system that searches for information (e.g., advertisements) relevant to the search query. For example, when a user enters a search query into the search bar on the Ask Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000661-IPE0000663. The display of advertisements on the Ask Website is provided by the Google AdWords system. IPE0000688 (“A substantial majority of the paid listings we display are supplied to us by Google pursuant to a paid listing supply agreement with Google Pursuant to this agreement, we transmit search queries to Google, which in turn transmits a set of relevant and responsive paid listings back to us for display in search results Google paid listings are . . . identified as ‘sponsored’ listings on search results pages.”); <i>see also</i> IPE0000915 (showing that clicking a link redirects through the www.google.com domain).</p>
<p>b. a system for scanning a network to make a demand search for informons relevant to a query from an individual user;</p>	<p>The Ask Website includes a system for scanning a network to make a demand search for information relevant to a query from a user. For example, the search bar on the Ask Website allows a user to enter a search query and run a demand search. <i>See</i> section a. In response to the query, the Google AdWords system that the Ask Website uses to display advertisements conducts a demand search for</p>

CLAIM 10	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	<p>information. <i>See</i> IPE0000661-IPE0000663. Google uses distributed databases in its systems, and the databases distribute information across several locations on a network. IPE0000011-IPE0000024; <i>see also</i> IPE0000026 (showing distributed systems). Additionally, the system collects information on landing pages of advertisements on the Internet. IPE0000066 (“[t]he AdWords system retrieves advertiser landing pages to help us better understand the relevance and quality of your AdWords ads as a whole. . . . To fully understand the quality of your specified page, the system may follow other links on the page.”).</p>
<p>c. a content-based filter system for receiving the informons from the scanning system and for filtering the informons on the basis of applicable content profile data for relevance to the query; and</p>	<p>The Ask Website includes a system for receiving the information from the scanning system and for filtering the information on the basis of applicable content profile data for relevance to the query. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives and filters advertisements on the basis of content data (e.g., ad text, keyword, and landing page attributes) for relevance to the query. IPE0000058. “AdWords uses a dynamic variable called ‘Quality Score’ to evaluate keyword relevance” and that “Quality Score is based [in part] on . . . the relevance of your ad text, keyword, and landing page.” <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 (“[t]he Quality Score for Ad Rank on Google and the search network is determined by . . . the relevance of the keyword and the matched ad to the search query” and that “[h]aving relevant keywords and ad text . . . will result in a higher position for your ad.”).</p>
<p>d. a feedback system for receiving collaborative feedback data from system users relative to informons considered by such users;</p>	<p>The Ask Website includes a system that receives feedback data from system users, the feedback data being related to the website information returned as results and considered by users. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives feedback (in the form of clickthrough data) about information, e.g., advertisements, considered by the other users. <i>See</i> IPE0000064 (“Millions of users click on AdWords ads every day. Every single one of those clicks – and the even more numerous impressions associated with them – is analyzed by our filters (stage 1), which operate in real-time.”). Google AdWords uses the “dynamic variable called ‘Quality Score’ to evaluate keyword relevance.” IPE0000058. In AdWords, a component of the “Quality Score” is based on an</p>

CLAIM 10	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	<p>advertisement's "clickthrough rate (CTR)" <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 ("[t]he historical clickthrough rate (CTR) of the keyword and the matched ad on Google; if the ad is appearing on a search network page, its CTR on that search network partner is also considered" and that "[h]aving . . . a strong CTR on Google . . . will result in a higher position for your ad."). Google says that, of the three components of Quality Score, CTR is "the biggest one by far" and that "by allowing users to vote with their clicks, we have millions of people that are helping us to decide which ads are best for each search query." IPE0000073. The CTR is feedback data from system users on advertisements considered by the users.</p>
<p>e. the filter system combining pertaining feedback data from the feedback system with the content profile data in filtering each informon for relevance to the query.</p>	<p>The Ask Website includes a system that combines pertaining feedback data with content data in filtering information for relevance to the query. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google states that AdWords uses a "Quality Score" to evaluate an advertisement's relevance. IPE0000063. The Quality Score is a combination of factors including feedback data, i.e., "[a] keyword's clickthrough rate (CTR)," and content data, i.e., "the relevance of your ad text, keyword, and landing page." <i>Id.</i>; <i>see also</i> IPE0000062 ("Having relevant keywords and ad text [and] a strong CTR on Google . . . will result in a higher position for your ad.").</p>

CLAIM 14	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>The system of claim 10 wherein the collaborative feedback data comprises passive feedback data.</p>	<p>The Ask Website uses the Google AdWords system, which collects and uses feedback data in the form of clickthrough rate. IPE0000688; <i>see</i> claim 10 section d. The clickthrough rate recorded by Google AdWords is passive feedback data.</p>

CLAIM 15	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>The system of claim 14 wherein the passive feedback data is obtained by passively</p>	<p>The Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords passively monitors a user's behavior related to</p>

CLAIM 15	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
monitoring the actual response to a proposed informon.	proposed advertisements. Google AdWords records the clickthrough rates of each respective advertisement. <i>See</i> claim 10 section d.

CLAIM 25	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
a. A method for operating a search engine system comprising:	<p>The preamble is typically not a limitation and thus no comparison needs to be made between the accused system, the Ask Website, and the preamble. <i>See, e.g., Symantec Corp. v. Computer Associate Intern., Inc.</i>, 522 F.3d 1279, 1288 (Fed. Cir. 2008)(“Absent clear reliance on the preamble in the prosecution history, or in situations where it is necessary to provide antecedent basis for the body of the claim, the preamble generally is not limiting.”)(quotation omitted). However, the Ask Website includes a method for operating a search engine system.</p> <p>The Ask Website searches for information (e.g., advertisements) relevant to a search query. For example, when a user enters a search query into the search bar on the Ask Website (www.ask.com) and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000661-IPE0000663. The display of advertisements on the Ask Website is provided by the Google AdWords system. IPE0000688 (“A substantial majority of the paid listings we display are supplied to us by Google pursuant to a paid listing supply agreement with Google Pursuant to this agreement, we transmit search queries to Google, which in turn transmits a set of relevant and responsive paid listings back to us for display in search results Google paid listings are . . . identified as ‘sponsored’ listings on search results pages.”); <i>see also</i> IPE0000915 (showing that clicking a link redirects through the www.google.com domain).</p>
b. scanning a network to make a demand search for informons relevant to a query from an individual user;	<p>The Ask Website scans a network to make a demand search for information (e.g., advertisements) relevant to a query from a user. For example, the search bar on the Ask Website allows a user to enter a search query and run a demand search. <i>See</i> section a. In response to the query, the Google AdWords system that the Ask Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000661-IPE0000663. Google uses distributed databases in</p>

CLAIM 25	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	<p>its systems, and the databases distribute information across several locations on a network. IPE0000011-IPE0000024; <i>see also</i> IPE0000026 (showing distributed systems). Additionally, the system collects information on landing pages of advertisements on the Internet. IPE0000066 (“[t]he AdWords system retrieves advertiser landing pages to help us better understand the relevance and quality of your AdWords ads as a whole. . . . To fully understand the quality of your specified page, the system may follow other links on the page.”).</p>
<p>c. receiving the informons in a content-based filter system from the scanning system and filtering the informons on the basis of applicable content profile data for relevance to the query;</p>	<p>The Ask Website receives information from the scanning system and filters the information on the basis of applicable content profile data for relevance to the query. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives and filters advertisements on the basis of content data (e.g., ad text, keyword, and landing page attributes) for relevance to the query. IPE0000058. “AdWords uses a dynamic variable called ‘Quality Score’ to evaluate keyword relevance” and that “Quality Score is based [in part] on . . . the relevance of your ad text, keyword, and landing page.” <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 (“[t]he Quality Score for Ad Rank on Google and the search network is determined by . . . the relevance of the keyword and the matched ad to the search query” and that “[h]aving relevant keywords and ad text . . . will result in a higher position for your ad.”).</p>
<p>d. receiving collaborative feedback data from system users relative to informons considered by such users; and</p>	<p>The Ask Website also receives feedback data from system users, the feedback data being related to the website information returned as results and considered by users. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives feedback (in the form of clickthrough data) about information, e.g., advertisements, considered by the other users. <i>See</i> IPE0000064 (“Millions of users click on AdWords ads every day. Every single one of those clicks – and the even more numerous impressions associated with them – is analyzed by our filters (stage 1), which operate in real-time.”). Google AdWords uses the “dynamic variable called ‘Quality Score’ to evaluate keyword relevance.” IPE0000058. In AdWords, a component of the “Quality Score” is based on an advertisement’s “clickthrough rate (CTR)” <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 (“[t]he</p>

CLAIM 25	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	<p>historical clickthrough rate (CTR) of the keyword and the matched ad on Google; if the ad is appearing on a search network page, its CTR on that search network partner is also considered” and that “[h]aving . . . a strong CTR on Google . . . will result in a higher position for your ad.”). Google says that, of the three components of Quality Score, CTR is “the biggest one by far” and that “by allowing users to vote with their clicks, we have millions of people that are helping us to decide which ads are best for each search query.” IPE0000073. The CTR is feedback from system users relative to advertisements considered by the users.</p>
<p>e. combining pertaining feedback data with the content profile data in filtering each informon for relevance to the query.</p>	<p>The Ask Website combines pertaining feedback data with content data in filtering information for relevance to the query. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google states that AdWords uses a “Quality Score” to rank advertisements. IPE0000063. The Quality Score is a combination of factors including feedback data, i.e., “[a] keyword’s clickthrough rate (CTR),” and content data, i.e., “the relevance of your ad text, keyword, and landing page.” <i>Id.</i>; <i>see also</i> IPE0000062 (“Having relevant keywords and ad text [and] a strong CTR on Google . . . will result in a higher position for your ad.”).</p>

CLAIM 27	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>The method of claim 25 wherein the collaborative feedback data provides passive feedback data.</p>	<p>The Ask Website uses the Google AdWords system, which collects and uses feedback data in the form of clickthrough rate. IPE0000688; <i>see</i> claim 10 section d. The clickthrough rate recorded by Google AdWords is passive feedback data.</p>

CLAIM 28	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>The method of claim 27 wherein the passive feedback data is obtained by passively monitoring the actual response to a proposed</p>	<p>The Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords records the clickthrough rates of each respective advertisement. <i>See</i> claim 25 section d.</p>

CLAIM 28	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
informon.	

CLAIM CHART FOR INFRINGEMENT OF U.S. PATENT NO. 6,775,664

IAC's Implementation of the Google AdWords System

CLAIM 1	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
<p>a. A search system comprising:</p>	<p>The preamble is typically not a limitation and thus no comparison needs to be made between the accused system, the Ask Website, and the preamble. <i>See, e.g., Symantec Corp. v. Computer Associate Intern., Inc.</i>, 522 F.3d 1279, 1288 (Fed. Cir. 2008)(“Absent clear reliance on the preamble in the prosecution history, or in situations where it is necessary to provide antecedent basis for the body of the claim, the preamble generally is not limiting.”)(quotation omitted). However, the Ask Website includes a search system.</p> <p>The Ask Website searches for information (e.g., advertisements) relevant to a search query. For example, when a user enters a search query into the search bar on the Ask Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000661-IPE0000663. The display of advertisements on the Ask Website is provided by the Google AdWords system. IPE0000688 (“A substantial majority of the paid listings we display are supplied to us by Google pursuant to a paid listing supply agreement with Google Pursuant to this agreement, we transmit search queries to Google, which in turn transmits a set of relevant and responsive paid listings back to us for display in search results Google paid listings are . . . identified as ‘sponsored’ listings on search results pages.”); <i>see also</i> IPE0000915 (showing that clicking a link redirects through the www.google.com domain).</p>
<p>b. a scanning system for searching for information relevant to a query associated with a first user in a plurality of users;</p>	<p>The Ask Website includes a system for searching for information relevant to a query from a user. For example, the search bar on the Ask Website allows a user to enter a search query and run a demand search. <i>See</i> section a. In response to the query, the Google AdWords system that the Ask Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000661-IPE0000663. Google AdWords searches for the information, in part, on the basis of content data (e.g., ad text, keyword, and landing page attributes) for relevance</p>

CLAIM 1	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	<p>to the query. IPE0000058. Google states that “AdWords uses a dynamic variable called ‘Quality Score’ to evaluate keyword relevance” and that “Quality Score is based [in part] on . . . the relevance of your ad text, keyword, and landing page.” <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 (“[t]he Quality Score for Ad Rank on Google and the search network is determined by . . . the relevance of the keyword and the matched ad to the search query” and that “[h]aving relevant keywords and ad text . . . will result in a higher position for your ad.”).</p>
<p>c. a feedback system for receiving information found to be relevant to the query by other users; and</p>	<p>The Ask Website includes a system for receiving information found to be relevant to the query by users of the system. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives feedback (in the form of clickthrough data) about information, e.g., advertisements, considered by the other users. <i>See</i> IPE0000064 (“Millions of users click on AdWords ads every day. Every single one of those clicks – and the even more numerous impressions associated with them – is analyzed by our filters (stage 1), which operate in real-time.”). Google AdWords uses the “dynamic variable called ‘Quality Score’ to evaluate keyword relevance.” IPE0000058. In AdWords, a component of the “Quality Score” is based on an advertisement’s “clickthrough rate (CTR)” <i>Id.</i>; <i>see also</i> IPE0000061-IPE0000062 (“[t]he historical clickthrough rate (CTR) of the keyword and the matched ad on Google; if the ad is appearing on a search network page, its CTR on that search network partner is also considered” and that “[h]aving . . . a strong CTR on Google . . . will result in a higher position for your ad.”). Google says that, of the three components of Quality Score, CTR is “the biggest one by far” and that “by allowing users to vote with their clicks, we have millions of people that are helping us to decide which ads are best for each search query.” IPE0000073. The CTR is feedback on advertisements other users found to be relevant to the query.</p>
<p>d. content-based filter system for combining the information from the feedback system with the information from the scanning system and for filtering the combined information for relevance to at least one of the query and the first user.</p>	<p>The Ask Website includes a system for combining information from the feedback system with information from the scanning system to filter information for relevance to the query. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google states that AdWords uses a “Quality Score” to evaluate an advertisement’s relevance. IPE0000063.</p>

CLAIM 1	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	The Quality Score is a combination of factors including feedback data, i.e., “[a] keyword’s clickthrough rate (CTR),” and content data, i.e., “the relevance of your ad text, keyword, and landing page.” <i>Id.</i> ; <i>see also</i> IPE0000062 (“Having relevant keywords and ad text [and] a strong CTR on Google . . . will result in a higher position for your ad.”).

CLAIM 5	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
The search system of claim 1 wherein the filtered information is an advertisement.	The Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords filters advertisements. <i>See</i> claim 1 sections a-d.

CLAIM 6	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
The search system of claim 1 further comprising an information delivery system for delivering the filtered information to the first user.	The Ask Website displays information to a user in the form of links to websites with short descriptions. <i>See</i> IPE0000661-IPE0000663 (displaying an example search for “grill”).

CLAIM 21	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
The search system of claim 1 wherein the content-based filter system filters by extracting features from the information.	The Ask Website uses Google AdWords to display advertisements. IPE0000688. Google AdWords extracts features (e.g., text) from an advertisement to perform content-based filtering. IPE0000058.

CLAIM 22	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
The search system of claim 21 wherein the extracted features comprise content data indicative of the relevance to the at least one of	In Google AdWords, the extracted features described in claim 21 are content data that is used to indicate the relevance of an item to the user’s query. <i>See</i> claim 1 section b.

CLAIM 22	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
the query and the user.	

CLAIM 26	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
a. A method for obtaining information relevant to a first user comprising:	<p>The preamble is typically not a limitation and thus no comparison needs to be made between the accused system, the Ask Website, and the preamble. <i>See, e.g., Symantec Corp. v. Computer Associate Intern., Inc.</i>, 522 F.3d 1279, 1288 (Fed. Cir. 2008)(“Absent clear reliance on the preamble in the prosecution history, or in situations where it is necessary to provide antecedent basis for the body of the claim, the preamble generally is not limiting.”)(quotation omitted). However, the Ask Website includes a method for obtaining information relevant to a first user.</p> <p>The Ask Website searches for information (e.g., advertisements) relevant to a user. For example, when a user enters a search query into the search bar on the Ask Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000661-IPE0000663. The display of advertisements on the Ask Website is provided by the Google AdWords system. IPE0000688 (“A substantial majority of the paid listings we display are supplied to us by Google pursuant to a paid listing supply agreement with Google Pursuant to this agreement, we transmit search queries to Google, which in turn transmits a set of relevant and responsive paid listings back to us for display in search results Google paid listings are . . . identified as ‘sponsored’ listings on search results pages.”); <i>see also</i> IPE0000915 (showing that clicking a link redirects through the www.google.com domain).</p>
b. searching for information relevant to a query associated with a first user in a plurality of users;	<p>The Ask Website searches for information relevant to a query associated with a user. For example, the search bar on the Ask Website allows a user to enter a search query and run a demand search. <i>See</i> section a. In response to the query, the Google AdWords system that the Ask Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000661-IPE0000663. Google AdWords searches the information, in part, on the basis of content data (e.g., ad text, keyword, and landing page attributes) for relevance to the query.</p>

CLAIM 26	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	IPE0000058. Google states that “AdWords uses a dynamic variable called ‘Quality Score’ to evaluate keyword relevance” and that “Quality Score is based [in part] on . . . the relevance of your ad text, keyword, and landing page.” <i>Id.</i> ; <i>see also</i> IPE0000061-IPE0000062 (“[t]he Quality Score for Ad Rank on Google and the search network is determined by . . . the relevance of the keyword and the matched ad to the search query” and that “[h]aving relevant keywords and ad text . . . will result in a higher position for your ad.”).
c. receiving information found to be relevant to the query by other users;	The Ask Website receives information found to be relevant to the query by users of the system. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google AdWords receives feedback (in the form of clickthrough data) about information, e.g., advertisements, considered by the other users. <i>See</i> IPE0000064 (“Millions of users click on AdWords ads every day. Every single one of those clicks – and the even more numerous impressions associated with them – is analyzed by our filters (stage 1), which operate in real-time.”). Google AdWords uses the “dynamic variable called ‘Quality Score’ to evaluate keyword relevance.” IPE0000058. In AdWords, a component of the “Quality Score” is based on an advertisement’s “clickthrough rate (CTR)” <i>Id.</i> ; <i>see also</i> IPE0000061-IPE0000062 (“[t]he historical clickthrough rate (CTR) of the keyword and the matched ad on Google; if the ad is appearing on a search network page, its CTR on that search network partner is also considered” and that “[h]aving . . . a strong CTR on Google . . . will result in a higher position for your ad.”). Google says that, of the three components of Quality Score, CTR is “the biggest one by far” and that “by allowing users to vote with their clicks, we have millions of people that are helping us to decide which ads are best for each search query.” IPE0000073. The CTR is feedback on advertisements that other users found relevant to the query.
d. combining the information found to be relevant to the query by other users with the searched information; and	The Ask Website combines information found to be relevant to the query with the searched information. For example, the Ask Website uses the Google AdWords system to display advertisements. IPE0000688. Google states that AdWords uses a “Quality Score” to evaluate an advertisement’s relevance. IPE0000063. The Quality Score is a combination of factors including feedback

CLAIM 26	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	data, i.e., “[a] keyword’s clickthrough rate (CTR),” and content data, i.e., “the relevance of your ad text, keyword, and landing page.” <i>Id.</i> ; <i>see also</i> IPE0000062 (“Having relevant keywords and ad text [and] a strong CTR on Google . . . will result in a higher position for your ad.”).
e. content-based filtering the combined information for relevance to at least one of the query and the first user.	The Ask Website uses Google AdWords to display advertisements. IPE0000688. Google AdWords calculates a “Quality Score” for each advertisement, which combines content and feedback information. <i>See</i> claim 26 section d. The “Quality Score” is used to determine the relevance of the ad to the query and/or the user. IPE0000058 (“For AdWords ads, the most important factor in relevance and ranking is the ad's quality, also called the Quality Score.”).

CLAIM 28	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
28. The method of claim 26 further comprising the step of delivering the filtered information to the first user.	The Ask Website uses Google AdWords to display advertisements. IPE0000688. Google AdWords delivers filtered information to a user in the form of links to websites with short descriptions. <i>See</i> IPE0000661-IPE0000663 (displaying an example search for “grill”).

CLAIM 38	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
38. The method of claim 26 wherein the searching step comprises scanning a network in response to a demand search for the information relevant to the query associated with the first user.	The Ask Website uses Google AdWords to display advertisements. IPE0000688. Google AdWords scans a network in response to a demand search for information relevant to a query from a user. For example, the search bar on the Ask Website allows a user to enter a search query and run a demand search. <i>See</i> section a. In response to the query, the Google AdWords system that the Ask Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000661-IPE0000663. Google uses distributed databases in its systems, and the databases distribute information across several locations on a network. IPE0000011-IPE0000024; <i>see also</i> IPE0000026 (showing distributed systems). Additionally, the system collects information on landing pages of

CLAIM 38	IAC'S IMPLEMENTATION OF THE GOOGLE ADWORDS SYSTEM
	advertisements on the Internet. IPE0000066 (“[t]he AdWords system retrieves advertiser landing pages to help us better understand the relevance and quality of your AdWords ads as a whole. . . . To fully understand the quality of your specified page, the system may follow other links on the page.”).

CERTIFICATE OF SERVICE

I hereby certify that on this 11th day of November, 2011, the foregoing Plaintiff I/P Engine, Inc.'s Preliminary Disclosure of Asserted Claims and Pre-Discovery Infringement Contentions as to IAC Search & Media, Inc.'s Use of Google AdWords and Google Adsense for Search, was served via email, on the following:

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