

# EXHIBIT F

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

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

**PLAINTIFF I/P ENGINE, INC.’S PRELIMINARY DISCLOSURE OF  
ASSERTED CLAIMS AND PRE-DISCOVERY INFRINGEMENT CONTENTIONS  
AS TO GANNETT COMPANY, 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 Gannett Company, Inc.’s (“Gannett”) systems using Google, Inc.’s products, methods and systems promoted under the names of Google AdWords and Google AdSense for Search<sup>1</sup> (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

---

<sup>1</sup> 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 Gannett's system using Google AdWords (e.g., Gannett's USA Today Website) 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, Gannett 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 Gannett is literally present in Gannett's system using Google AdWords. If Gannett contends that any limitation of any of the asserted claims is not literally present in Gannett'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 Gannett'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 Gannett identifies which elements it contends are not present in Gannett'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 Gannett's system using Google AdWords directly infringes the asserted claims of the '420 and '664 patents and establishes the prerequisite act of direct infringement. Gannett 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).

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

By making, using, providing and promoting Gannett'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 Gannett's system using Google AdWords in an infringing manner, Gannett actively and knowingly aids and abets infringement of the '420 and '664 patents and is liable under induced infringement.

In addition, Gannett's system using Google AdWords is a material part of the claimed invention of the '420 and '664 patents. Gannett's system using Google AdWords is especially made or especially adapted for use with only infringing search engine systems and/or search systems. Furthermore, Gannett's system using Google AdWords is not a staple article. Gannett'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. Gannett's system using Google

AdWords is also not suitable for substantial non-infringing uses. Therefore, Gannett 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 Gannett's system using Google AdWords becomes available and/or for other good cause.

Dated: November 11, 2011

By:           /s/ Charles J. Monterio, Jr.            
Jeffrey K. Sherwood  
Frank C. Cimino, Jr.  
Kenneth W. Brothers  
DeAnna Allen  
Charles J. Monterio, Jr.  
DICKSTEIN SHAPIRO LLP  
1825 Eye Street, NW  
Washington, DC 20006  
Telephone: (202) 420-2200  
Facsimile: (202) 420-2201

Richard H. Ottinger  
VANDEVENTER BLACK LLP  
500 World Trade Center  
Norfolk, VA 23510  
Telephone: (757) 446-8600  
Facsimile: (757) 446-8670

Counsel for Plaintiff I/P Engine, Inc.

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

**USA Today Website**

<b>CLAIM 10</b>	<b>USA TODAY WEBSITE</b>
<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 USA Today 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 USA Today Website includes a search engine system.</p> <p>The USA Today Website (<a href="http://www.usatoday.com">www.usatoday.com</a>) 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 USA Today Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000679-IPE0000681. The display of advertisements on Gannett’s USA Today Website is provided by the Google AdWords system. IPE0000680 (“Ads by Google”); <i>see also</i> IPE0000678 (showing that clicking a link redirects through the <a href="http://www.google.com">www.google.com</a> 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 USA Today 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 USA Today 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 USA Today Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000679-IPE0000681. 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.</p>

CLAIM 10	USA TODAY WEBSITE
	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.”).
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	The USA Today 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 USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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.”).
d. a feedback system for receiving collaborative feedback data from system users relative to informons considered by such users;	The USA Today 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 USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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

CLAIM 10	USA TODAY WEBSITE
	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.
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.	The USA Today Website includes a system that combines pertaining feedback data with content data in filtering information for relevance to the query. For example the USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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.”).

CLAIM 14	USA TODAY WEBSITE
The system of claim 10 wherein the collaborative feedback data comprises passive feedback data.	The USA Today Website uses the Google AdWords system, which collects and uses feedback data in the form of clickthrough rate. IPE0000680; <i>see</i> claim 10 section d. The clickthrough rate recorded by Google AdWords is passive feedback data.

CLAIM 15	USA TODAY WEBSITE
The system of claim 14 wherein the passive feedback data is obtained by passively monitoring the actual response to a proposed informon.	The USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. Google AdWords passively monitors a user’s behavior related to proposed advertisements. Google AdWords records the clickthrough rates of each respective advertisement. <i>See</i> claim 10 section d.

CLAIM 25	USA TODAY WEBSITE
<p>a. A method for operating 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 USA Today 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 USA Today Website includes a method for operating a search engine system.</p> <p>The USA Today 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 USA Today Website (<a href="http://www.usatoday.com">www.usatoday.com</a>) and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000679-IPE0000681. The display of advertisements on Gannett’s USA Today Website is provided by the Google AdWords system. IPE0000680 (“Ads by Google”); <i>see also</i> IPE0000678 (showing that clicking a link redirects through the <a href="http://www.google.com">www.google.com</a> domain).</p>
<p>b. scanning a network to make a demand search for informons relevant to a query from an individual user;</p>	<p>The USA Today 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 USA Today 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 USA Today Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000679-IPE0000681. 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</p>

CLAIM 25	USA TODAY WEBSITE
<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>other links on the page.”).</p> <p>The USA Today 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 USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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 USA Today 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 USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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</p>

CLAIM 25	USA TODAY WEBSITE
	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.
e. combining pertaining feedback data with the content profile data in filtering each informon for relevance to the query.	The USA Today Website combines pertaining feedback data with content data in filtering information for relevance to the query. For example the USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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.”).

CLAIM 27	USA TODAY WEBSITE
The method of claim 25 wherein the collaborative feedback data provides passive feedback data.	The USA Today Website uses the Google AdWords system, which collects and uses feedback data in the form of clickthrough rate. IPE0000680; <i>see</i> claim 10 section d. The clickthrough rate recorded by Google AdWords is passive feedback data.

CLAIM 28	USA TODAY WEBSITE
The method of claim 27 wherein the passive feedback data is obtained by passively monitoring the actual response to a proposed informon.	The USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. Google AdWords records the clickthrough rates of each respective advertisement. <i>See</i> claim 25 section d.

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

**USA Today Website**

<b>CLAIM 1</b>	<b>USA TODAY WEBSITE</b>
<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 USA Today 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 USA Today Website includes a search system.</p> <p>The USA Today 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 USA Today Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000679-IPE0000681. The display of advertisements on Gannett’s USA Today Website is provided by the Google AdWords system. IPE0000680 (“Ads by Google”); <i>see also</i> IPE0000678 (showing that clicking a link redirects through the <a href="http://www.google.com">www.google.com</a> 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 USA Today Website includes a system for searching for information relevant to a query from a user. For example, the search bar on the USA Today 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 USA Today Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000679-IPE0000681. 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 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></p>

CLAIM 1	USA TODAY WEBSITE
	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. a feedback system for receiving information found to be relevant to the query by other users; and	The USA Today Website includes a system for receiving information found to be relevant to the query by users of the system. For example the USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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.
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.	The USA Today 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 USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. 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

<b>CLAIM 1</b>	<b>USA TODAY WEBSITE</b>
	("Having relevant keywords and ad text [and] a strong CTR on Google . . . will result in a higher position for your ad.").

<b>CLAIM 5</b>	<b>USA TODAY WEBSITE</b>
The search system of claim 1 wherein the filtered information is an advertisement.	The USA Today Website uses the Google AdWords system to display advertisements. IPE0000680. Google AdWords filters advertisements. <i>See</i> claim 1 sections a-d.

<b>CLAIM 6</b>	<b>USA TODAY WEBSITE</b>
The search system of claim 1 further comprising an information delivery system for delivering the filtered information to the first user.	The USA Today Website displays information to a user in the form of links to websites with short descriptions. <i>See</i> IPE0000679-IPE0000681 (displaying an example search for "grill").

<b>CLAIM 21</b>	<b>USA TODAY WEBSITE</b>
The search system of claim 1 wherein the content-based filter system filters by extracting features from the information.	The USA Today Website uses Google AdWords to display advertisements. IPE0000680. Google AdWords extracts features (e.g., text) from an advertisement to perform content-based filtering. IPE0000058.

<b>CLAIM 22</b>	<b>USA TODAY WEBSITE</b>
The search system of claim 21 wherein the extracted features comprise content data indicative of the relevance to the at least one of the query and the user.	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 26	USA TODAY WEBSITE
<p>a. A method for obtaining information relevant to a first user comprising:</p>	<p>The preamble is typically not a limitation and thus no comparison needs to be made between the accused system, the USA Today 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 USA Today Website includes a method for obtaining information relevant to a first user.</p> <p>The USA Today Website searches for other information (e.g., advertisements) relevant to a user. For example, when a user enters a search query into the search bar on the USA Today Website and selects the “search” button, the user is presented with a list of information, e.g., advertisements. <i>See</i> IPE0000679-IPE0000681. The display of advertisements on Gannett’s USA Today Website is provided by the Google AdWords system. IPE0000680 (“Ads by Google”); <i>see also</i> IPE0000678 (showing that clicking a link redirects through the <a href="http://www.google.com">www.google.com</a> domain).</p>
<p>b. searching for information relevant to a query associated with a first user in a plurality of users;</p>	<p>The USA Today Website searches for information relevant to a query associated with a user. For example, the search bar on the USA Today 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 USA Today Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000679-IPE0000681. 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. 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</p>

CLAIM 26	USA TODAY WEBSITE
	<p>“[h]aving relevant keywords and ad text . . . will result in a higher position for your ad.”).</p>
<p>c. receiving information found to be relevant to the query by other users;</p>	<p>The USA Today Website receives information found to be relevant to the query by users of the system. For example, the USA Today Website uses Google AdWords to display advertisements. IPE0000680. 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.</p>
<p>d. combining the information found to be relevant to the query by other users with the searched information; and</p>	<p>The USA Today Website combines information found to be relevant to the query with the searched information. For example, the USA Today Website uses Google AdWords to display advertisements. IPE0000680. 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>
<p>e. content-based filtering the combined</p>	<p>The USA Today Website uses Google AdWords to display advertisements.</p>

CLAIM 26	USA TODAY WEBSITE
information for relevance to at least one of the query and the first user.	IPE0000680. 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	USA TODAY WEBSITE
28. The method of claim 26 further comprising the step of delivering the filtered information to the first user.	The USA Today Website uses Google AdWords to display advertisements. IPE0000680. Google AdWords delivers filtered information to a user in the form of links to websites with short descriptions. <i>See</i> IPE0000679-IPE0000681 (displaying an example search for “grill”).

CLAIM 38	USA TODAY WEBSITE
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 USA Today Website uses Google AdWords to display advertisements. IPE0000680. 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 USA Today 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 USA Today Website uses to display advertisements conducts a demand search for information. <i>See</i> IPE0000679-IPE0000681. 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

<b>CLAIM 38</b>	<b>USA TODAY WEBSITE</b>
	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 Gannett Company, Inc.'s Use of Google AdWords and Google AdSense for Search, was served via email, on the following:

Stephen Edward Noona  
Kaufman & Canoles, P.C.  
150 W Main St  
Suite 2100  
Norfolk, VA 23510  
[senoona@kaufcan.com](mailto:senoona@kaufcan.com)

David Bilsker  
David Perlson  
Quinn Emanuel Urquhart & Sullivan LLP  
50 California Street, 22nd Floor  
San Francisco, CA 94111  
[davidbilsker@quinnemanuel.com](mailto:davidbilsker@quinnemanuel.com)  
[davidperlson@quinnemanuel.com](mailto:davidperlson@quinnemanuel.com)

Robert L. Burns  
Finnegan, Henderson, Farabow, Garrett & Dunner, LLP  
Two Freedom Square  
11955 Freedom Drive  
Reston, VA 20190  
[robert.burns@finnegan.com](mailto:robert.burns@finnegan.com)

Cortney S. Alexander  
Finnegan, Henderson, Farabow, Garrett & Dunner, LLP  
3500 SunTrust Plaza  
303 Peachtree Street, NE  
Atlanta, GA 94111  
[cortney.alexander@finnegan.com](mailto:cortney.alexander@finnegan.com)

/s/ Armands Chagnon  
Senior Paralegal