

Exhibit 21

Amanda Bonn

From: Andrea P Roberts <andreaproberts@quinnemanuel.com>
Sent: Monday, August 18, 2014 5:17 PM
To: John Lahad; Amanda Bonn; Justin A. Nelson; Shawn Blackburn; Alexander L. Kaplan; Cyndi Obuz; John Dolan; Kristin Malone; Max L. Tribble; Parker Folse; Stacy Schulze; Tammie J. DeNio; 'jrambin@capshawlaw.com'; 'ederieux@capshawlaw.com'; 'ccapshaw@capshawlaw.com'; 'jw@wsfirm.com'; 'claire@wsfirm.com'
Cc: QE-Google-Rockstar; 'Mark Mann'; 'Blake Thompson'; 'Andy Tindel'
Subject: RE: Rockstar v. Google

John,

Thank you for the clarifications in your email below. We have a few follow up questions.

1. Your July 10 email listed “Google’s indexing systems, including but not limited to Knowledge Graph.” We have two concerns relating to this “functionality.” First, Search generally is not accused (as Rockstar has confirmed) and indexing is not covered by the asserted claims. Thus, we do not believe it is relevant. Second, if by “Knowledge Graph,” Rockstar is referring to a “personalized” Knowledge Graph, then that will be covered by documents relating to Google’s personalized search services and we will address in response to Interrogatory No. 2. But, if Rockstar is referring to the “Knowledge Graph” generally, we do not believe it is covered by the asserted claims and therefore not relevant. We need clarification regarding what Rockstar is referring to.

2. As for YouTube Interest Based Advertising, we understand that YouTube is an accused product. And, thank you for pointing us to the page in Rockstar’s infringement contentions which provides a screen shot of a web page discussing YouTube interest based advertising. However, as explained in my July 29 letter, interest based advertising is part of Google’s Content Ads system, not its Search Ads system. Thus, although a screen shot is included in Rockstar’s claim chart, interest based advertising really isn’t covered by the asserted claims and thus not relevant.

We are looking into the cite you provided regarding the “__gads cookie.”

Thanks,
Andrea

Andrea Pallios Roberts
Of Counsel,
Quinn Emanuel Urquhart & Sullivan, LLP

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From: John Lahad [mailto:jlahad@SusmanGodfrey.com]

Sent: Wednesday, August 06, 2014 7:44 PM

To: Andrea P Roberts; Amanda Bonn; Justin A. Nelson; Shawn Blackburn; Alexander L. Kaplan; Cyndi Obuz; John Dolan; Kristin Malone; Max L. Tribble; Parker Folse; Stacy Schulze; Tammie J. DeNio; 'jrambin@capshawlaw.com'; 'ederieux@capshawlaw.com'; 'ccapshaw@capshawlaw.com'; 'jw@wsfirm.com'; 'claire@wsfirm.com'

Cc: QE-Google-Rockstar; 'Mark Mann'; 'Blake Thompson'; 'Andy Tindel'

Subject: RE: Rockstar v. Google

Andrea,

In your July 29, 2014 letter, you had some questions regarding the list of functionalities we provided. Here are the answers.

1. Regarding Knowledge Graph, you say that search generally is not accused, but you can't dispute that the asserted claims contemplate searching. E.g., "searching, based upon the received search argument, a first database having data network related information to generate search results." Is your disagreement focused on the "indexing" aspect?
2. Please see <http://googleblog.blogspot.com/2009/10/introducing-google-social-search-i.html> regarding social search.
3. YouTube Interest Based Advertising is highlighted in our infringement contentions. See, e.g., pg. 42 of the '969 chart.
4. "___gads" is not a typo. It is an advertising-related cookie described here: <http://www.google.com/policies/technologies/types/>

Happy to discuss.

Thanks,

John

John P. Lahad
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From: Andrea P Roberts [mailto:andreaproberts@quinnemanuel.com]

Sent: Tuesday, July 29, 2014 10:26 PM

To: Amanda Bonn; John Lahad; Justin A. Nelson; Shawn Blackburn; Alexander L. Kaplan; Cyndi Obuz; John Dolan; Kristin Malone; Max L. Tribble; Parker Folse; Stacy Schulze; Tammie J. DeNio; 'jrambin@capshawlaw.com'; 'ederieux@capshawlaw.com'; 'ccapshaw@capshawlaw.com'; 'jw@wsfirm.com'; 'claire@wsfirm.com'

Cc: QE-Google-Rockstar; 'Mark Mann'; 'Blake Thompson'; 'Andy Tindel'

Subject: Rockstar v. Google

Amanda,

Please see attached.

Andrea Pallios Roberts

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