

EXHIBIT 5

UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF CALIFORNIA
SAN JOSE DIVISION

IN RE PERSONALWEB
TECHNOLOGIES, LLC, ET AL.,
PATENT LITIGATION

Case No.: 5:18-md-02834-BLF

PERSONALWEB TECHNOLOGIES,
LLC, et. al.,
Plaintiffs,

v.

Case No.: 5:18-cv-05619-BLF

TWITCH INTERACTIVE, INC.,
Defendant.

TECHNICAL EXPERT REPORT OF ERIK DE LA IGLESIA

HIGHLY CONFIDENTIAL – ATTORNEYS’ EYES ONLY

Executed this 23rd day of August, 2019 in Mountain View, California.



Erik de la Iglesia

to determine whether the received ETag value matches the current ETag value for the content of the object referenced in the request (*i.e.* the URI of the file conditionally requested).

179. After the comparison, if there was a matching ETag value for the content of an object referenced in the conditional GET request the Twitch web servers determined that the cached content was still the valid content, and therefore served a 304 NOT MODIFIED response message indicating to the browser that it has valid rights to keep using the cached contents for the duration specified by the max-age value set by Twitch and also sent in the 304 response. If the comparison resulted in a non-matching ETag value for the content of an object referenced in the conditional GET request the Twitch web servers determined that the browser did not have the valid content in its cache for that URI, and served a 200 OK response message containing the valid content, the valid ETag value, and a new max-age specifying how the time duration for which the new content would be valid to be cached and used by the browser without subsequent revalidation.

180. Additional details regarding the receipt of conditional GET requests, comparison of ETags in conditional GET requests and service of 200 OK and 304 NOT MODIFIED response messages by the Twitch web servers are provided in paragraphs 90, 100, 101, and 102 hereto, and the source code, HTTP protocol specifications, and portions of Appendix C cited therein, which are incorporated herein by reference.

F. Exemplary Evidence

181. In this report, I have demonstrated that the Accused Instrumentality included and practiced all of the limitations of the claimed system and methods based on an examination of exemplary webpage base files and asset files captured on certain dates during the Relevant Time