

1 UNITED STATES PATENT AND TRADEMARK OFFICE  
2 BEFORE THE PATENT TRIAL AND APPEAL BOARD

3 \_\_\_\_\_  
4 GOOGLE INC.,

5 Petitioner,

6 V.

7 SMARTFLASH LLC,

8 Patent Owner  
9 \_\_\_\_\_

10 Case CBM2015-00129

11 Patent 7,942,317 B2

12 Case CBM2015-00126

13 Patent 8,118,221 B2  
14

15 DEPOSITION OF JUSTIN DOUGLAS TYGAR, Ph.D.

16 SAN FRANCISCO, CALIFORNIA

17 TUESDAY, JANUARY 19, 2016,

18 9:02 A.M.  
19  
20  
21  
22

23 Job No. 101438

24 Pages 1 - 209

25 Reported by: Anne M. Torreano, CSR, RPR, CCRR, CLR

Smartflash - Exhibit 2105  
Apple v. Smartflash  
CBM2015-00127

Deposition of Justin Douglas Tygar, Ph.D.  
Conducted on January 19, 2016

2

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

Deposition of JUSTIN DOUGLAS TYGAR, Ph.D.,  
held at the offices of:

QUINN EMANUEL URQUHART & SULLIVAN LLP  
50 California Street, 22nd Floor  
San Francisco, California 94111  
(415)875-6600

Pursuant to Notice, before Anne M. Torreano,  
California Certified Shorthand Reporter #10520,  
Registered Professional Reporter, California Certified  
Realtime Reporter, Certified LiveNote Reporter.

PLANET DEPOS  
888.433.3767 | WWW.PLANETDEPOS.COM

Deposition of Justin Douglas Tygar, Ph.D.  
Conducted on January 19, 2016

3

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

A P P E A R A N C E S

FOR THE PATENT OWNER:

DAVIDSON BERQUIST JACKSON & GOWDEY

BY: MICHAEL R. CASEY, Ph.D.

8300 Greensboro Drive, Suite 500

McLean, Virginia 22102

(571) 765-7700

mcasey@dbjg.com

FOR THE PETITIONER:

QUINN EMANUEL URQUHART & SULLIVAN LLP

BY: KEVIN SMITH

50 California Street, 22nd Floor

San Francisco, California 94111

(415) 875-6600

kevinsmith@quinnemanuel.com

QUINN EMANUEL URQUHART & SULLIVAN LLP

BY: ADAM BOTZENHART

50 California Street, 22nd Floor

San Francisco, California 94111

(415) 875-6600

adambotzenhart@quinnemanuel.com

PLANET DEPOS  
888.433.3767 | WWW.PLANETDEPOS.COM

Deposition of Justin Douglas Tygar, Ph.D.  
Conducted on January 19, 2016

4

EXAMINATION INDEX

JUSTIN DOUGLAS TYGAR, Ph.D.

PAGE

BY MR. CASEY

5

PREVIOUSLY MARKED EXHIBITS REFERRED TO

EXHIBIT 1001 ('221 patent)

EXHIBIT 1001 ('317 patent)

EXHIBIT 1002 ('221 patent)

EXHIBIT 1002 ('317 patent)

EXHIBIT 1004 ('221 patent)

EXHIBIT 1006 ('221 patent)

EXHIBIT 1007 ('221 patent)

EXHIBIT 1011 ('221 patent)

PLANET DEPOS

888.433.3767 | WWW.PLANETDEPOS.COM

Deposition of Justin Douglas Tygar, Ph.D.  
Conducted on January 19, 2016

5

1 TUESDAY, JANUARY 19, 2016; 9:02 A.M.

2 JUSTIN DOUGLAS TYGAR, Ph.D.,

3 having been duly sworn to tell the truth,

4 testified as follows:

5 EXAMINATION

6 BY MR. CASEY:

7 Q. State your name for the record.

8 A. My name is Justin, J-u-s-t-i-n, Douglas,  
9 D-o-u-g-l-a-s, Tygar, T-y-g-a-r.

10 Q. And your address?

11 A. 1285 Alvarado, A-L-V-A-R-A-D-O, Road,  
12 Berkeley, California 94705.

13 Q. Have you ever testified before?

14 A. Yes.

15 Q. When?

16 A. I've testified a number of times.

17 Q. Can you give me a -- have you ever testified  
18 before the Patent Office, in a proceeding before the  
19 Patent Office?

20 A. Yes, I have.

21 Q. And can you recall any of those proceedings?

22 A. I'm not sure I can remember all of them. I  
23 think I've testified in between five to ten AIA  
24 proceedings.

25 Q. Okay. Can you recall any of the other AIA

PLANET DEPOS  
888.433.3767 | WWW.PLANETDEPOS.COM

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.