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

APPLE INC.,

Petitioner,

IPR2021-00970-972

vs.

U.S. Patent

ALIVECOR, INC.,

Nos. 9,572,499,

10,595,731, and

Patent Owner.

Patent Owner.

DEPOSITION OF

IGOR EFIMOV, Ph.D.

VIA ZOOM VIDEOCONFERENCE

JUNE 3, 2022

Reported by: COLLEEN M. PETERMAN CSR 7882 No. 22-111633





```
1
            UNITED STATES PATENT AND TRADEMARK OFFICE
 2
             BEFORE THE PATENT TRIAL AND APPEAL BOARD
 3
     APPLE INC.,
 4
                                              CERTIFIED COPY
                     Petitioner,
 5
                                           IPR2021-00970-972
 6
             vs.
                                           U.S. Patent
 7
     ALIVECOR, INC.,
                                           Nos. 9,572,499,
                                           10,595,731, and
 8
                     Patent Owner.
                                           10,638,941
 9
10
11
12
13
14
15
                            DEPOSITION OF
16
                          IGOR EFIMOV, Ph.D.
17
                      VIA ZOOM VIDEOCONFERENCE
                             JUNE 3, 2022
18
19
20
21
22
23
     Reported by:
24
     COLLEEN M. PETERMAN
     CSR 7882
     No. 22-111633
25
```



```
1
            UNITED STATES PATENT AND TRADEMARK OFFICE
 2
             BEFORE THE PATENT TRIAL AND APPEAL BOARD
 3
 4
     APPLE INC.,
 5
                     Petitioner,
                                          IPR2021-00970-972
 6
            vs.
                                          U.S. Patent
 7
     ALIVECOR, INC.,
                                          Nos. 9,572,499,
                                          10,595,731, and
 8
                     Patent Owner.
                                          10,638,941
 9
10
11
12
13
14
15
               DEPOSITION OF IGOR EFIMOV, Ph.D., a
16
               witness herein, taken on behalf of the
17
               petitioner via Zoom videoconference at
18
               6:34 a.m. on Friday, June 3, 2022,
19
               before Colleen M. Peterman, CSR 7882.
20
21
22
23
24
25
```



1	APPEARANCES (All Participants Appeared Remotely):			
2	For Petitioner:			
3				
4	FISH & RICHARDSON P.C. BY MICHAEL A. AMON			
5	12860 El Camino Real, Suite 400 San Diego, California 92130			
6	858.678.5070 amon@fr.com			
7	FISH & RICHARDSON P.C. BY RYAN CHOWDHURY			
8	1000 Maine Avenue SW Washington, DC 20024			
9	202.638.6554 rchowdhury@fr.com			
10	FISH & RICHARDSON P.C.			
11	BY JAY ZHU 500 Arguello Street, Suite 400			
12	Redwood City, California 94063 650.839.5097			
13	jzhu@fr.com			
14	For Patent Owner:			
15	QUINN EMANUEL URQUHART & SULLIVAN, LLP			
16	BY JAMES M. GLASS 51 Madison Ave, 22nd Floor			
17	New York, New York 10010 212.849.7000			
18	jimglass@quinnemanuel.com			
19	QUINN EMANUEL URQUHART & SULLIVAN, LLP BY JOSHUA SCHEUFLER			
20	711 Louisiana Street, Suite 500 Houston, Texas 77002			
21	713.221.7000 joshuascheufler@quinnemanuel.com			
22	Joseph Committee			
23				
24				
25				



1		INDEX		
2	WITNESS: IGOR EFIMOV, Ph.D.			
3	EXAMINATION BY PAGE			
4	MR. AMON		6	
5				
6				
7		EXHIBITS		
8	PETITIONER'S	DESCRIPTION	PAGE	
9 10	Exhibit 1	Declaration in support of patent owner's response with respect to the '499 patent	8	
11 12	Exhibit 2	Declaration in support of patent owner's response with respect to the '731 patent	9	
13 14	Exhibit 3	Declaration in support of patent owner's response with respect to the '941 patent	10	
15	Exhibit 4	'499 patent	12	
16	Exhibit 5	'731 patent	12	
17	Exhibit 6	'941 patent	12	
18	Exhibit 7	Information about the Holter monitor	33	
19	Exhibit 8	Shmueli patent titled "Pulse	39	
20	EXIIDIC 0	Oximetry Measurement Triggering ECG Measurement"	33	
21	Exhibit 9	'878 patent	41	
22	Exhibit 10	Almen patent	48	
23	Exhibit 11	Osorio patent	51	
24	Exhibit 12	Claim construction	89	
25				



DOCKET

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.

