UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
MIDLAND-ODESSA DIVISION

RESONANT SYSTEMS, INC. d/b/a RevelHMI, *Plaintiff*, v. APPLE INC., *Defendant*.	Case No. 7:23-cv-00077-ADA

DEFENDANT APPLE INC.'S FINAL INVALIDITY CONTENTIONS

Defendant Apple Inc. ("Apple") provides the following Final Invalidity Contentions to Plaintiff Resonant Systems, Inc. d/b/a RevelHMI ("Resonant" or "Plaintiff") regarding U.S. Patent Nos. 8,093,767 (the "'767 patent"), 8,860,337 (the "'337 patent"), 9,941,830 (the "'830 patent") and 11,152,882 (the "'882 patent") (collectively, the "Patents-in-Suit" or "Asserted Patents").

These contentions are made only as to the claims of the Patents-in-Suit that Plaintiff has identified in its Preliminary Infringement Contentions:

Patent	Asserted Claims[1]	Resonant's Alleged Priority Date	Chart Prefix
'767 patent	**1**–5	May 18, 2009	A
'337 patent	**1**, **2**, 3, **4**	May 18, 2009	B
'830 patent	**1**–8, 14–17, **19**, **20**	May 18, 2009	C
'882 patent	**1**–7, **10**, 17, 19, 20	February 13, 2015	D

[1] The independent claims are bolded underlined. Based on Plaintiff's representation, Apple understand that Plaintiff is no longer asserting claims 1 and 4 of the '337 patent and claim 7 of the '882 patent.

Each element of the claimed algorithms also was well-known in the art.

'337 and '830 patents

The functionality required in Steps 706 and 708 of the claimed algorithm (e.g., periodically alternating the value of the output signal d based on the frequency and outputting the signal d) was well-known in the prior art. *See, e.g.*, Apple's iPhone 4/4S (Ex. A-1 at 1[i]); Chang 538 at [0051], [0054] (citing the '140 patent, which describes, at 32:6-13 and 42:66-43:31, the use of H-bridge switches and driver chips, including the Siliconex Si9961, the Allegro 8932-A, the Allegro 8958, and the Unitrode UC3176.), Figs. 1, 4; Gregorio 277 at 2:18-53, 3:65-6:9, Figs. 3, 4, 6; Grant 562 at [0063] (citing U.S. Pat. No. 6,683,437, which describes, at 3:9-30 and Fig. 2, the use of an H-bridge switch); Gregorio 594 at [0004] (similar); Kern at Section 9.2.3.1 Driver Electronics, 220-223; Shahoian 696 at 7:29-53 (citing U.S. Pat. App. No. 09/608,125, which describes, at 11:33-12:7, 13:25-14:11, and Figs. 5a-b, the use of an H-bridge switch); Tierling 437 at Figs. 1-4; Taghezout 362 at Fig. 1; Houston 945 at 34:4-12; ST Microelectronics drivers (e.g., L298); Allegro Microsystems drivers (e.g., 3958 and 3959); Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52); Vishay drivers (e.g., Siliconix Si9961A); Groves 807 at Fig. 4; Grange 238 at Fig. 3; Rossi 641 at Abstract, Figs. 4-6, 1:8-36, 2:2-49, cls. 1, 3, 4; Takeuchi 380 at Abstract, Fig. 6, [0008], [0025]-[0028], [0038], [0045]; The Modal Shop systems (https://www.youtube.com/watch?v=CITus-DeJng and https://www.youtube.com/watch?v=gQED-dKZEAw, disclosing the use of a Class D amplifier).

To the extent any anticipatory reference is found not to include this functionality, it would have been obvious in view of Apple's iPhone 4/4S, Chang 538, Gregorio 277, Grant 562, Gregorio 594, Kern, Shahoian 696, Tierling 437, Taghezout 362, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Cirrus Logic Stereo Codecs

Ex. #	Reference
A-15	Fuller 484
A-16	Lutz 852
A-17	Wakuda 811
A-18	Hill 759
A-19	Gutman 622
A-20	Izumi 294
A-21	Ramsay 948
A-22	Amaya 799
A-23	Ueda 480
A-24	Ogusu 053
A-25	Cosper 532
A-26	LG CT810 System
A-27	Ibuki 795
A-28	Logitech iFeel Mouse
A-29	Thesling 478
A-30	Stevens 303
A-31	Hwang 326

2. ’337 patent

Ex. #	Reference
B-1	iPhone 4/4S - Updated
B-2	MacBook Trackpad
B-3	Immersion System
B-4	Samsung Haptic/Haptic 2

Ex. #	Reference
B-5	Chang 538
B-6	Grant 562
B-7	Grant 849
B-8	Gregorio 277
B-9	Gregorio 594
B-10	Kern
B-11	Wakuda 811
B-12	Fukumoto 227
B-13	Ogusu 053
B-14	Shahoian 696
B-15	Ibuki 571
B-16	Fuller 484
B-17	Ramsay 984
B-18	Ueda 480
B-19	Amaya 799
B-20	Logitech iFeel Mouse
B-21	Lutz 852
B-22	Hill 759
B-23	Gutman 622
B-24	Izumi 294
B-25	Pance 446
B-26	Cosper 532
B-27	LG CT810 System

Ex. #	Reference
B-28	Ibuki 795
B-29	Houston 945
B-30	Thesling 478
B-31	Stevens 303
B-32	Hwang 326

3. ’830 patent

Ex. #	Reference
C-1	iPhone 4/4S - Updated
C-2	MacBook Trackpad
C-3	Immersion System
C-4	Samsung Haptic/Haptic 2
C-5	Gregorio 277
C-6	Shahoian 696
C-7	Wakuda 811
C-8	Fukumoto 227
C-9	Ogusu 053
C-10	Chang 538
C-11	Grant 562
C-12	Grant 849
C-13	Gregorio 594
C-14	Kern
C-15	Ibuki 571
C-16	Fuller 484

Ex. #	Reference
C-17	Cosper 532
C-18	Hill 759
C-19	Gutman 622
C-20	Izumi 294
C-21	Pance 446
C-22	Ramsay 984
C-23	Amaya 799
C-24	Lutz 852
C-25	LG CT810 System
C-26	Ibuki 795
C-27	Houston 945
C-28	Thesling 478
C-29	Logitech iFeel
C-30	Ueda 480
C-31	Stevens 303
C-32	Hwang 326

4. ’882 patent

Ex. #	Reference
D-1	Alexander 751
D-2	iPhone 6/6 Plus
D-3	Fukimoto 227
D-4	Wakuda 811
D-5	MacBook Trackpad

Wakuda 811, Zets 982, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Saiki 641.

- Grant 562 in view of Immersion's system, iPhone 4/4S, Samsung Haptic/Haptic 2, Samsung P3, Gregorio 594, Gregorio 277, Grant 849, Shahoian 696, Chang 538, Ramsay 984, Lacroix 139, Fukumoto 227, Barton 183, Rosenberg 032, Cruz-Hernandez 719, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, Tierling 216, Tierling 561, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Grant 849 in view of Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Samsung Haptic/Haptic 2, Samsung P3, Immersion's system, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition, Rovan, Tierling 216, Tierling 561, Masahiko 486, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Gregorio 277 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Kim 902,

Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.

- Gregorio 594 in view of Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Samsung Haptic/Haptic 2, Samsung P3, Immersion's system, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition, Rovan, Tierling 216, Tierling 561, Masahiko 486, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Gutman 622 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Hill 759 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton

Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.

- Shahoian 696 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Wakuda 811 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Gregorio 277, Gregorio 594, Shahoian 696, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.

3. '830 patent

- Amara 799 in view of Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Grant 849, Gregorio 277, Wakuda 811, Fuller 484, Ibuki

571, Izumi 294, Immersion's system, Thesling 478, Shahoian 696, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Amaya 090, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Hayward 2007, Adobe Audition, Rovan, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali..

- Apple's iPhone 4/4S in view of Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Grant 849, Gregorio 277, Wakuda 811, Fuller 484, Ibuki 571, Izumi 294, Immersion's system, Thesling 478, Shahoian 696, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Amaya 090, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Hayward 2007, Adobe Audition, Rovan, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.

227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.

- Grant 849 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Gregorio 277, Wakuda 811, Ibuki 571, Izumi 294, Thesling 478, Shahoian 696, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Amaya 090, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Dong 697, Ogusu 053, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.
- Gregorio 277 in view of Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Grant 849, Wakuda 811, Fuller 484, Ibuki 571, Izumi 294, Immersion system, Samsung Haptic/Haptic 2, Samsung P3, iPhone 4/4S, Grant 849, Shahoian 696, Chang 538, Ramsay 984, Rosenberg 032, Cruz-Hernandez 719, Ibuki 571, Thesling 478, Ueda 480, Hwang 778, Kang 597, Dong

042, Kim 421, Yoshikane 470, Hideaki 613, Kajiwara 423, Amaya 090, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Dong 697, Ogusu 053, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Tierling 216, Tierling 561, Masahiko 486, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Barton 183, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.

- Gregorio 594 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Barton 183, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0, Rovan, Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Gregorio 277, Wakuda 811, Ibuki 571, Izumi 294, Thesling 478, Shahoian 696, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Amaya 090, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Dong 697, Ogusu 053, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.
- Gutman 622 in view of Wakuda 811, Fuller 484, Shahoian 696, Kern, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Houston 945, Amaya 090, Ibuki 571, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko

CS43L22 and CS42L52), Grant 849, Gregorio 277, Wakuda 811, Fuller 484, Ibuki 571, Izumi 294, Thesling 478, Immersion's system, Hwang 778, Kang 597, Dong 042, Kim 421, Yoshikane 470, Kajiwara 423, Amaya 090, Hideaki 613, Erixon 187, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Dong 697, Ogusu 053, iPhone 4/4S, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Hayward 2007, Adobe Audition, Rovan, Tierling 216, Tierling 561, Masahiko 486, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Barton 183, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.

- Stevens 303 in view of Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719, Grant 849, Gregorio 277, Barton 183, Fuller 484, Hayward 2007, Rovan, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Kern, iPhone 4/4S, Tierling 216, Tierling 561, Lacroix 139, Wakuda 811, Zets 982, Saiki 641, Aldrich, Pakula 859, Lutz 852, Houston 945, Howe, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Fukumoto 227.
- Wakuda 811 in view of Immersion's system, iPhone 4/4S, Samsung Haptic/Haptic 2, Samsung P3, Gregorio 594, Gregorio 277, Grant 849, Shahoian 696, Chang 538, Ramsay 984, Lacroix 139, Fukumoto 227, Barton 183, Rosenberg 032, Cruz-Hernandez 719, Grant 849, Fuller 484, Hayward 2007, Adobe Audition 2.0/3.0,

Rovan, Cosper 532, Ueda 480, Kern, Houston 945, ST Microelectronics drivers (e.g., L298), Allegro Microsystems drivers (e.g., 3958 and 3959), Vishay drivers (e.g., Siliconix Si9961A), Cirrus Logic Stereo Codecs (e.g., CS43L22 and CS42L52), Ibuki 571, Izumi 294, Kim 902, Leung 652, Masahiko 486, Park 494, Miyazaki 570, Bae 641, Miyamoto 732, Hideaki 613, Dong 697, Ogusu 053, Tierling 216, Tierling 561, Lacroix 139, Zets 982, Saiki 641, Fukumoto 227, Hasser, Wall, Ito 648, Niwa, Yinggang, Aldrich, Pakula 859, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Al-Ali.

4. '882 patent

- Alexander 751 in view of Fuller 484, Wakuda 811, Shahoian 696, Ibuki 571, Houston 357, Wall 2001, Immersion's system, Samsung Haptic/Haptic 2, Samsung P3, iPhone 4/4S, iPhone 6/6 Plus, Ramsay 984, Rosenberg 032, Chang 538, Cruz-Hernandez 719; Miyajima 167, Tseng 674, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Grant 562.
- Amaya 799 in view of Alexander 751, Muramatsu 806, Fuller 484, Shahoian 696, Chang 538, Gregorio 277, Cosper 532, Ueda 480, Wakuda 811, Ibuki 571, Miyajima 167, Kern, Motohashi 797, Miyajima 167, Houston 357, Grant 562, Yinggang, Hajati 334, Harley 730, Tseng 674, Bruel & Kjaer's systems, MB Dynamics' systems, Data Physics Corp.'s systems, The Modal Shop's systems, and/or Elliot 795.

CERTIFICATE OF SERVICE

I certify that on June 6, 2024, a true and correct copy of the foregoing was served on counsel of record for Plaintiff via electronic mail at rak_revelhmi@raklaw.com.

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