

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FORESIGHT DIAGNOSTICS INC.,
Petitioner,

v.

PERSONALIS, INC.,
Patent Owner.

Case Nos. IPR2023-00224 and IPR2023-00317
U.S. Patent Nos. 11,384,394 and 11,408,033

DECLARATION OF DOUG ZEMAN

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1. I, Doug Zeman, make this Declaration in connection with *inter partes* review proceedings at the U.S. Patent & Trademark Office concerning U.S. Patent No. 11,384,394 (“the ’394 patent”) and U.S. Patent No. 11,408,033 (“the ’033 patent”).

I. BACKGROUND AND QUALIFICATIONS

2. I am Associate Director of Scientific Computing and Information Technology at Personalis, Inc. I have held this position from January 2021 to present. I was previously Senior Manager of Scientific Computing and Information Technology at Personalis from November 2016 through December 2020.

3. I have two decades of Information Technology operations and support experience, including infrastructure development and technical project management.

4. I am familiar with the manner in which Personalis makes, retains, and maintains electronic files in the regular course of business. I am qualified to provide a written declaration regarding the records of regularly conducted business activity which are the subject of this document.

II. RETENTION AND MAINTENANCE OF ELECTRONIC FILES AT PERSONALIS

5. It is a regularly conducted business activity of Personalis to retain and maintain electronic files made by its employees. Google Enterprise Suite is the corporate communications platform that Personalis currently uses and has used, to the best of my knowledge, since the founding of company. Since approximately

2016 Personalis added the Google Vault add-on feature to its Google Enterprise Suit, and the Vault saves all documents and communications in the Personalis Google Enterprise Suite indefinitely for the duration each employee's employment at Personalis. It is Personalis' policy that, when an employee leaves the company (and there is no applicable litigation hold) then that employee's account is exported for long term storage, and then the employee's Google gmail and Vault accounts are deleted. If a litigation hold is in place for a departing employee, then it is Personalis' policy retain and maintain that employee's gmail and Vault accounts for the duration of the litigation hold. In addition, it is Personalis' policy to image the hard drive of the departing employee's computer, if available, for long term storage.

6. All of the emails in John West's account as of 2016 and thereafter were saved and stored in Google Vault. A litigation hold has been placed on his Vault account, so it has not been deleted. The Google Vault account for John West includes every email present in his account at the time of Google Vault activation, dating back to his Google account creation in 2011, and every email since Google Vault activation. Accordingly, Personalis has retained and maintained John West's emails dating back to 2011.

7. John West has retired from Personalis. Because he has retired, the hard drive from his computer was imaged as part of Personalis' standard procedure on June 27, 2023. Accordingly, Personalis has retained and maintained John West's

emails dating back to 2011 through the additional process of imaging the hard drive of his computer.

8. The document marked as Exhibit 2036 is a copy of the April 2, 2012 email from John West to Christian Haudenschild regarding “Personalis Laboratory plans.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

9. The document marked as Exhibit 2037 is a copy of the May 3, 2012 email from John West to Mark Pratt regarding “Comparing methods to determine SNP error rate” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

10. The document marked as Exhibit 2038 is a copy of the May 3, 2012 Google calendar reminder for a “Dev Group Weekly Mtg.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

11. The document marked as Exhibit 2039 is a copy of the May 4, 2012 Google calendar reminder for a “Pipeline timeline walk through.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

12. The document marked as Exhibit 2040 is a copy of the May 4, 2012 Google calendar reminder for a “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

13. The document marked as Exhibit 2041 is a copy of the May 8, 2012 email from John West to Carol Tillis regarding “J West Board slides with one slide revised” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

14. The document marked as Exhibit 2042 is a copy of the May 8, 2012 email from Richard Chen to John West regarding “Final Board Slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of

such emails being made, retained, and maintained in the course of its regularly conducted business.

15. The document marked as Exhibit 2044 is a copy of the April 24, 2012 email from Hugo Lam to John West regarding “Personalis Servers (with new storages).” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

16. The document marked as Exhibit 2046 is a copy of the January 6, 2012 email from John West to Mark Pratt regarding “Draft Framework for Personalis accuracy-related product development” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

17. The document marked as Exhibit 2047 is a copy of the May 11, 2012 Google calendar reminder for a “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

18. The document marked as Exhibit 2048 is a copy of the May 5, 2012 Google calendar reminder for “Accuracy review / brainstorm” meeting. The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

19. The document marked as Exhibit 2049 is a copy of the May 25, 2012 Google calendar reminder for a “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

20. The document marked as Exhibit 2050 is a copy of the May 25, 2012 email from Carlos Bustamante to Mark Pratt regarding “Founder meeting schedule change for this PM.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

21. The document marked as Exhibit 2051 is a copy of the May 14, 2012 email from Richard Chen to Founders, et al. regarding “Founder Working Group Proposal” with attachment. The email was retained and maintained within the

course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

22. The document marked as Exhibit 2052 is a copy of the May 15, 2012 Email from Mark Pratt to John West regarding “accuracy strategy notes” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

23. The document marked as Exhibit 2053 is a copy of the May 15, 2012 Email from Scott Kirk to Richard Chen, et al., regarding “Sprint 0 sprint backlog.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

24. The document marked as Exhibit 2054 is a copy of the May 22, 2012 Email from John West to Richard Chen, et al., regarding “Spreadsheet for 2pm discussion of Accuracy Differentiation” with attachment. The email was retained and maintained within the course of regularly conducted business activity of

Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

25. The document marked as Exhibit 2055 is a copy of the May 22, 2012 Email from John West to Mark Pratt regarding “My slides for meeting with Mike Snyder yesterday” with attachments. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

26. The document marked as Exhibit 2056 is a copy of the May 29, 2012 Email from John West to Scott Kirk regarding “Accuracy documents to convert into project plan format” with attachments. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

27. The document marked as Exhibit 2057 is a copy of the June 1, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

28. The document marked as Exhibit 2058 is a copy of the June 15, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

29. The document marked as Exhibit 2059 is a copy of the June 22, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

30. The document marked as Exhibit 2060 June is a copy of the 29, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

31. The document marked as Exhibit 2061 is a copy of the June 7, 2012 Email from John West to Richard Chen regarding “Accuracy next steps, spreadsheet

to organize the discussion” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

32. The document marked as Exhibit 2062 is a copy of the June 11, 2012 Email from Richard Chen to John West, et al. regarding “updated board slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

33. The document marked as Exhibit 2063 is a copy of the June 11, 2012 Email from John West to Richard Chen, et al. regarding “Draft Board slides for your comments” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

34. The document marked as Exhibit 2065 is a copy of the June 17, 2012 Email from John West to Scott Kirk regarding “Sprint 2 overview.” The email was retained and maintained within the course of regularly conducted business activity

of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

35. The document marked as Exhibit 2066 is a copy of the July 6, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

36. The document marked as Exhibit 2067 is a copy of the July 13, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

37. The document marked as Exhibit 2068 is a copy of the July 20, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

38. The document marked as Exhibit 2069 is a copy of the July 27, 2012 Google Calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

39. The document marked as Exhibit 2070 is a copy of the July 17, 2012 Email from Richard Chen to John West, et, al. regarding “Final Board Slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

40. The document marked as Exhibit 2071 is a copy of the July 18, 2012 Email from John West to Carol Tillis, et, al. regarding “JW Board slides for printing” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

41. The document marked as Exhibit 2072 is a copy of the July 18, 2012 Google calendar reminder regarding “2012 Personalis BOD Meeting.” The

document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

42. The document marked as Exhibit 2074 is a copy of the July 24, 2012 email from Mark Prat to Shujun Luo regarding “Quick Notes on Lab Sequencing From Discussion with JW.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

43. The document marked as Exhibit 2075 is a copy of the August 6, 2012 Email from Mark Pratt to John West regarding “Lab Projects” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

44. The document marked as Exhibit 2076 is a copy of the August 6, 2012 Email from John West to Mark Pratt regarding “Lab Projects.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

45. The document marked as Exhibit 2077 is a copy of the August 10, 2012 Email from Richard Chen to John West regarding “Sprint 4 pre planning =JW Questions & Input.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

46. The document marked as Exhibit 2078 is a copy of the August 28, 2012 Email from Nan Leng to Hugo Lam regarding “MiSeq 2x250 run completed over the weekend.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

47. The document marked as Exhibit 2079 is a copy of the August 3, 2012 Google calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

48. The document marked as Exhibit 2080 is a copy of the August 10, 2012 Google calendar reminder regarding “Personalis Weekly Team Meeting.” The

document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

49. The document marked as Exhibit 2081 is a copy of the August 17, 2012 Google calendar reminder regarding “Personalis Weekly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

50. The document marked as Exhibit 2082 is a copy of the August 20, 2012 Email from John West to Russ Altman regarding “USE THIS ONE: my edits/slides v2” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

51. The document marked as Exhibit 2083 is a copy of the September 4, 2012 Email from Richard Chen to John West, et al. regarding “Final Board Slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the

accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

52. The document marked as Exhibit 2084 is a copy of the September 4, 2012 Email from John West to Carol Tillis regarding “Personalis Board meeting preview.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

53. The document marked as Exhibit 2085 is a copy of the September 5, 2012 Google calendar reminder regarding “2012 Personalis BOD Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

54. The document marked as Exhibit 2086 is a copy of the September 5, 2012 Email from John West to Carol Tillis and Eliane Sousa, et al. regarding “John West’s Board Slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

55. The document marked as Exhibit 2088 is a copy of the September 7, 2012 Google calendar reminder regarding “Personalis Monthly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

56. The document marked as Exhibit 2090 is a copy of the October 5, 2012 Google Calendar reminder regarding “Personalis Monthly Team Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

57. The document marked as Exhibit 2091 is a copy of the October 9, 2012 Google Calendar reminder regarding “accuracy requirements walk through.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

58. The document marked as Exhibit 2092 is a copy of the October 10, 2012 Google Calendar reminder regarding “Accuracy Bi-weekly.” The document

was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

59. The document marked as Exhibit 2093 is a copy of the October 24, 2012 Google Calendar reminder regarding “Accuracy Bi-weekly.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

60. The document marked as Exhibit 2094 is a copy of the October 4, 2012 Email from Scott Kirk to John West regarding “Notes from the runs discussion.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

61. The document marked as Exhibit 2095 is a copy of the October 10, 2012 Email from Scott Kirk to John West, et al., regarding “PGS v1 Requirements draft (rev 1.10)” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

62. The document marked as Exhibit 2096 is a copy of the October 9, 2012 Email from John West to Richard Chen, et al., regarding “Slide for accuracy requirements walkthrough meeting 3-5pm today” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

63. The document marked as Exhibit 2097 is a copy of the October 12, 2012 Email from John West to Christian Haudenschild, et al., regarding “Prioritization of Ops Sequencing projects” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

64. The document marked as Exhibit 2098 is a copy of the October 19, 2012 Email from John West to Richard Chen, et al., regarding “Applying for a patent on our idea of panels reflecting to exome / WGS.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

65. The document marked as Exhibit 2099 is a copy of the November 1, 2012 Email from John West to Carol Tillis regarding “Board slides from John West,

ready to print” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

66. The document marked as Exhibit 2100 is a copy of the October 31, 2012 Email from Richard Chen to John West, et al., regarding “final board slides, ready to print” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

67. The document marked as Exhibit 2101 is a copy of the November 1, 2012 Google Calendar reminder regarding “Personalis BOD Meeting – Breakfast will be served between 8:15am and 9am.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

68. The document marked as Exhibit 2102 is a copy of the November 1, 2012 Email from Shujun Luo to John West regarding “Re: Can you please email me a copy of your slides from this afternoon?” with attachment. The email was retained and maintained within the course of regularly conducted business activity of

Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

69. The document marked as Exhibit 2103 is a copy of the November 21, 2012 Google Calendar reminder regarding “Accuracy Bi-weekly.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

70. The document marked as Exhibit 2104 is a copy of the December 7, 2012 Google Calendar reminder regarding “Accuracy Bi-weekly.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

71. The document marked as Exhibit 2105 is a copy of the December 12, 2012 Email from Richard Chen to John West, et al., regarding “Final board slides” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

72. The document marked as Exhibit 2106 is a copy of the December 13, 2012 Email from John West to Carol Tillis regarding “CEO Update presentation for

Board meeting” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

73. The document marked as Exhibit 2108 is a copy of the January 16, 2013 Google Calendar reminder regarding “Accuracy Bi-weekly.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

74. The document marked as Exhibit 2109 is a copy of the January 13, 2012 Email from John West to Richard Chen regarding “Draft of what we might offer as Laboratory Assays” with attachment. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

75. The document marked as Exhibit 2116 is a copy of the June 18, 2012 Email from John West to Mark Pratt, et al. regarding “Shunjun getting started.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

76. The document marked as Exhibit 2117 is a copy of the January 11, 2013 Email from John West to Richard Chen regarding “Name instead of “Exome+”. The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

77. The document marked as Exhibit 2118 is a copy of the August 14, 2012 Google calendar reminder regarding “Personalis BOD Meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

78. The document marked as Exhibit 2119 is a copy of the is a copy of the January 14, 2013 Email from John West to Carol Tillis, et al. regarding “Product naming decisions from staff meeting today.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails being made, retained, and maintained in the course of its regularly conducted business.

79. The document marked as Exhibit 2120 is a copy of the May 17, 2012 Email from John West to Mark Pratt regarding “Update Job Description for Shujun.” The email was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such emails

being made, retained, and maintained in the course of its regularly conducted business.

80. The document marked as Exhibit 2123 is a copy of the November 2, 2012 Google calendar reminder regarding “Personalis monthly team meeting.” The document was retained and maintained within the course of regularly conducted business activity of Personalis, and Personalis relies on the accuracy of such documents being made, retained, and maintained in the course of its regularly conducted business.

III. CERTIFICATION

81. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Dated: 10-6-2023

By: *Doug Zeman*

Doug Zeman