

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INTEGRATED DNA TECHNOLOGIES, INC.,
Petitioner,

v.

TECAN GENOMICS, INC.,
Patent Owner.

Case IPR2024-01504
U.S. Patent No. 11,098,357

PETITIONER'S UPDATED EXHIBIT LIST

Exhibit	Short Name	Document
Ex. 1001		Reserved
Ex. 1002		Reserved
Ex. 1003	'399 patent	U.S. Patent No. 9,546,399
Ex. 1004	'357 patent	U.S. Patent No. 11,098,357
Ex. 1005	'241 patent	U.S. Patent No. 11,725,241
Ex. 1006		Reserved
Ex. 1007	Siebert	Siebert et al., <i>An improved PCR method for walking in uncloned genomic DNA</i> , NUCLEIC ACIDS RES. 23(6) 1087–1088 (1995)
Ex. 1008	Caruccio	Caruccio, <i>Preparation of Next-Generation Sequencing Libraries using Nextera™ Technology: Simultaneous DNA Fragmentation and Adaptor Tagging by In Vitro Transposition</i> , HIGH-THROUGHPUT NEXT GENERATION SEQUENCING: METHODS AND APPLICATIONS, METHODS IN MOLECULAR BIOLOGY, Ch. 17 (2011)
Ex. 1009	Bronner	Bronner et al., <i>Improved Protocols for Illumina Sequencing</i> , CURR PROTOC HUM GENET. (2009)
Ex. 1010		Reserved
Ex. 1011	Iafrate	U.S. Patent Application Publication No. 2013/0303461
Ex. 1012	Kivioja	Kivioja et al., <i>Counting absolute numbers of molecules using unique molecular identifiers</i> , NATURE METHODS (2011)

Exhibit	Short Name	Document
Ex. 1013	Bielas	International Publication No. WO 2013/123442 A1
Ex. 1014	Masoudi-Nejad	Masoudi-Nejad et al., <i>Next Generation Sequencing and Sequence Assembly Methodologies and Algorithms</i> (2013)
Ex. 1015	Zheng	Zheng et al., <i>Anchored multiplex PCR for targeted next-generation sequencing</i> , NATURE MEDICINE (2014)
Ex. 1016		Reserved
Ex. 1017		Reserved
Ex. 1018		File History for U.S. Patent No. 9,546,399
Ex. 1019		File History for U.S. Patent No. 11,098,357
Ex. 1020		File History for U.S. Patent No. 11,725,241
Ex. 1021	Miner	Miner et al., <i>Molecular barcodes detect redundancy and contamination in hairpin-bisulfite PCR</i> , NUCLEIC ACID RESEARCH 32:17 (2004)
Ex. 1022	McCloskey	McCloskey et al., <i>Encoding PCR Products with Batch-stamps and Barcodes</i> , BIOCHEM GENET 45:761–767 (2007)
Ex. 1023	Hiatt	Hiatt et al., <i>Parallel, tag-directed assembly of locally derived short sequence reads</i> , NAT METHODS 7(2):119–122 (2010)
Ex. 1024	König	König et al., <i>iCLIP reveals the function hnRNP particles in splicing at individual nucleotide resolution</i> , NAT STRUC MOL BIOL. 17(7):909–915 (2010)

Exhibit	Short Name	Document
Ex. 1025	Kinde	Kinde et al., <i>Detection and quantification of rare mutations with massively parallel sequencing</i> , PNAS 108(23):9350–9535 (2011)
Ex. 1026	Casbon	Casbon et al., <i>A method for counting PCR template molecules with application to next-generation sequencing</i> , NUCLEIC ACIDS RESEARCH 39:12 (2011)
Ex. 1027	Fu	Fu et al., <i>Counting individual DNA molecules by the stochastic attachment of diverse labels</i> , PNAS 108(22):9026–9031 (2011)
Ex. 1028	Jabara	Jabara et al., <i>Accurate sampling and deep sequencing of the HIV-1 protease gene using a Primer ID</i> , PNAS 108(50):20166–20171 (2011)
Ex. 1029	Tollervey	Tollervey et al., <i>Characterising the RNA targets and position-dependent splicing regulation by TDP-43; implications for neurodegenerative diseases</i> , NAT NEUROSCI. 14(4):452–458 (2011)
Ex. 1030	Shiroguchi	Shiroguchi et al., <i>Digital RNA sequencing minimizes sequence-dependent bias and amplification noise with optimized single-molecule barcodes</i> , PNAS 109(4):1347–1352 (2012)
Ex. 1031	Schmitt	Schmitt et al., <i>Detection of ultra-rare mutations by next-generation sequencing</i> , PNAS 109(36):14508–14513 (2012)

Exhibit	Short Name	Document
Ex. 1032	De Luca	De Luca and Dono, <i>The Opportunities and Challenges of Molecular Tagging Next-Generation Sequencing in Liquid Biopsy</i> , MOLECULAR DIAGNOSIS & THERAPY 25:537–547 (2021)
Ex. 1033	Samuels	U.S. Patent Application Publication No. 2012/0220494
Ex. 1034		Reserved
Ex. 1035		Reserved
Ex. 1036		Reserved
Ex. 1037		Reserved
Ex. 1038		Reserved
Ex. 1039		Reserved
Ex. 1040		Reserved
Ex. 1041		Reserved
Ex. 1042		Reserved
Ex. 1043		Reserved
Ex. 1044		Reserved
Ex. 1045		Reserved
Ex. 1046		Reserved
Ex. 1047		Reserved
Ex. 1048		U.S. Provisional Patent Application 61/645,364

Exhibit	Short Name	Document
Ex. 1049		U.S. Provisional Patent Application 61/679,302
Ex. 1050	Moorthie	Moorthie et al., <i>Review of massively parallel DNA sequencing technologies</i> , HUGO JOURNAL 5:1–12 (2011)
Ex. 1051		Reserved
Ex. 1052		Reserved
Ex. 1053	Syed	Syed, <i>Chapter 19: Second-Generation Sequencing Library Preparation: In Vitro Tagmentation via Transposome Insertion</i> , in TAG-BASED NEXT GENERATION SEQUENCING (Matthias Harbers and Günter Kahl, eds., 2011)
Ex. 1054	Loeb	Loeb et al., <i>Transcriptome-wide miR-155 Binding Map Reveals Widespread Noncanonical MicroRNA Targeting</i> , MOLECULAR CELL 760–770 (2012)
Ex. 1055	Kircher	Kircher et al., <i>Double indexing overcomes inaccuracies in multiplex sequencing on the Illumina platform</i> , NUCLEIC ACIDS RESEARCH 40:1 (2012)
Ex. 1056	Illumina Letter	Illumina Customer Letter (Sept. 7, 2012)
Ex. 1057	Nextera Prep Guide	Nextera® XT DNA Sample Preparation Guide (Oct. 2012)
Ex. 1058	Troutt	Troutt et al., <i>Ligation-anchored PCR: A simple amplification technique with single-sided specificity</i> , PNAS, USA 9823–9825 (1992)

Exhibit	Short Name	Document
Ex. 1059	Hug & Schuler	Hug and Schuler, <i>Measurement of the Number of Molecules of a Single mRNA Species in a Complex mRNA Preparation</i> , J. THEOR. BIOL. 221:615–624 (2003),
Ex. 1060	Meyer & Kircher	Meyer and Kircher, <i>Illumina Sequencing Library Preparation for Highly Multiplexed Target Capture and Sequencing</i> , COLD SPRING HARBOR PROTOCOLS (2010)
Ex. 1061	Kircher Thesis	Kircher Thesis, <i>Understanding and improving high-throughput sequencing data production and analysis</i> , LEIPZIG UNIVERSITY, Germany (2011)
Ex. 1062	Smith Thesis	Smith Thesis, <i>Low-Level Variant Detection in Human Mitochondrial DNA Using The Illumina® MiSeq™ Next-Generation Sequencing (NGS) Platform</i> , WESTERN CAROLINA UNIVERSITY (2013)
Ex. 1063	Won	Won et al., <i>Detecting Somatic Genetic Alterations in Tumor Specimens by Exon Capture and Massively Parallel Sequencing</i> , J. VISUALIZED EXPERIMENTS (2013)
Ex. 1064	Kozich	Kozich et al., <i>Development of a Dual-Index Sequencing Strategy and Curation Pipeline for Analyzing Amplicon Sequence Data on the MiSeq Illumina Sequencing Platform</i> , APPLIED AND ENVIRONMENTAL MICROBIOLOGY 79:17, 5112–5120 (2013)
Ex. 1065	Pray	Pray, <i>Major Molecular Events of DNA Replication</i> , NATURE EDUCATION (2008)

Exhibit	Short Name	Document
Ex. 1066	Mackenzie	Mackenzie, <i>DNA vs. RNA – 5 Key Differences and Comparison</i> , TECHNOLOGY NETWORKS (2020)
Ex. 1067	Clancy	Clancy and Brown, <i>Translation: DNA to mRNA to Protein</i> , NATURE EDUCATION (2008)
Ex. 1068	Gauthier Thesis	Gauthier Thesis, <i>Simulation of polymer translocation through small channels</i> , UNIVERSITY OF OTTAWA, Canada (2008)
Ex. 1069	Lohman	Lohman et al., <i>DNA Ligases</i> , CURRENT PROTOCOLS IN MOLECULAR BIOLOGY 3.14.1-3.14.7 (2011)
Ex. 1070	Margulies	Margulies et al., <i>Genome sequencing in microfabricated high-density picolitre reactors</i> , NATURE 376–380 (2005)
Ex. 1071		DNA Sequencing Costs: Data, https://www.genome.gov/about-genomics/fact-sheets/DNA-Sequencing-Costs-Data
Ex. 1072	Craig	Craig et al., <i>Identification of Genetic Variants Using Barcoded Multiplexed Sequencing</i> , NAT. METHODS 5(10) 887–893 (2008)
Ex. 1073	Parameswaran	Parameswaran et al., <i>A pyrosequencing-tailored nucleotide barcode design unveils opportunities for large-scale sample multiplexing</i> , NUCLEIC ACIDS RESEARCH 35:19 (2007)

Exhibit	Short Name	Document
Ex. 1074	Lonigro	Lonigro et al., <i>Detection of Somatic Copy Number Alterations in Cancer Using Targeted Exome Capture Sequencing</i> , NEOPLASIA 13(11) 1019–1025 (2011)
Ex. 1075	Bielas Annotated Figure	Annotated Figure
Ex. 1076	Bielas Illumina P5	Annotated Figure
Ex. 1077	Bielas Read 1 Primer	Annotated Figure
Ex. 1078	Bielas i5 Index	Annotated Figure
Ex. 1079	Sims Declaration	Declaration of Peter A. Sims
Ex. 1080		A. Searle Declaration in support of motion for pro hac vice admission
Ex. 1081		P. Hynds Declaration in support of motion for pro hac vice admission
Ex. 1082		K. Hoagland-Hanson Declaration in support of notice of intent to designate
Ex. 1083		Reserved
Ex. 1084		Reserved
Ex. 1085		Reserved
Ex. 1086		Reserved
Ex. 1087		Reserved
Ex. 1088		Reserved
Ex. 1089		Reserved
Ex. 1090		Reserved

Exhibit	Short Name	Document
Ex. 1091		Reserved
Ex. 1092		Reserved
Ex. 1093		Reserved
Ex. 1094		Reserved
Ex. 1095		Reserved
Ex. 1096		Reserved
Ex. 1097		Reserved
Ex. 1098		Reserved
Ex. 1099		Reserved
Ex. 1100		Reserved
Ex. 1101		Reserved
Ex. 1102		Reserved
Ex. 1103		Reserved
Ex. 1104		Reserved
Ex. 1105		Reserved
Ex. 1106		Reserved
Ex. 1107		Reserved
Ex. 1108		Reserved
Ex. 1109		Reserved
Ex. 1110		Reserved
Ex. 1111		Reserved

Exhibit	Short Name	Document
Ex. 1112		Reserved
Ex. 1113		Bustamante Deposition Demonstrative— Claim Construction Scenario 1
Ex. 1114		Bustamante Deposition Demonstrative— Claim Construction Scenario 1.1
Ex. 1115		Bustamante Deposition Demonstrative— Claim Construction Scenario 2
Ex. 1116		Bustamante Deposition Demonstrative— Claim Construction Scenario 3
Ex. 1117		Bustamante Deposition Demonstrative— Claim Construction Scenario 4
Ex. 1118		Bustamante Deposition Demonstrative— Claim Construction Scenario 4.1
Ex. 1119		Bustamante Deposition Demonstrative— Claim Construction Scenario 4.2
Ex. 1120		Bustamante Deposition Demonstrative— Claim Construction Scenario 4.3
Ex. 1121		Bustamante Deposition Demonstrative— Claim Construction Scenario 5
Ex. 1122		Bustamante Warren Report 2018
Ex. 1123		Reserved
Ex. 1124		Bustamante Deposition Transcript—Part I
Ex. 1125		Reserved
Ex. 1126		Reserved
Ex. 1127		Bustamante Deposition Transcript—Part I and Errata Sheet

Exhibit	Short Name	Document
		[SERVICE ONLY]
Ex. 1128		Reserved
Ex. 1129		Reserved

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I hereby certify that on November 20, 2025, I caused the foregoing Updated Exhibit List to be served on Patent Owner by electronic mail to Linnea P. Cipriano, Scott T. Weingaertner, John P. Padro, and Timothy J. Beavers, at DG-GoodwinTecan@goodwinlaw.com, counsel for Plaintiffs in *Tecan Genomics, Inc. v. Invitae Corp. et al.*, C.A. No. 23-cv-1114-GBW (D. Del.).

Dated: November 20, 2025

/Thomas S. Fletcher/
Thomas S. Fletcher
Reg. No. 72,383