PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

Assignment ID: PATI49031

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Synopsys, Inc.	02/17/2024

RECEIVING PARTY DATA

Company Name:	Software Integrity Group, Inc.
Street Address:	675 Almanor Avenue
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94085

PROPERTY NUMBERS Total: 119

Property Type	Number
Patent Number:	7447703
Patent Number:	7340726
Patent Number:	7966346
Patent Number:	8473907
Patent Number:	8359583
Patent Number:	8762961
Patent Number:	8516434
Patent Number:	8413249
Patent Number:	8863093
Patent Number:	9015831
Patent Number:	9141807
Patent Number:	10417430
Patent Number:	9317399
Patent Number:	10713069
Patent Number:	9612943
Patent Number:	9032376
Patent Number:	9836390
Patent Number:	7797590
Patent Number:	8869110
Patent Number:	8654127

Property Type	Number
Patent Number:	9639456
Patent Number:	9110876
Patent Number:	9258320
Patent Number:	10291631
Patent Number:	10650145
Patent Number:	11048798
Patent Number:	9280668
Patent Number:	10057280
Patent Number:	8726394
Patent Number:	9043924
Patent Number:	10282282
Patent Number:	10216611
Patent Number:	8850415
Patent Number:	8869120
Patent Number:	8296735
Patent Number:	9760469
Patent Number:	10496524
Patent Number:	10474555
Patent Number:	8024313
Patent Number:	9471285
Patent Number:	10628577
Patent Number:	10289536
Patent Number:	10491629
Patent Number:	10216620
Patent Number:	7539978
Patent Number:	7302707
Patent Number:	7392545
Patent Number:	7644441
Patent Number:	9208324
Patent Number:	11030318
Patent Number:	10303448
Patent Number:	10133649
Patent Number:	10127386
Patent Number:	10122749
Patent Number:	10127135
Patent Number:	8700533
Patent Number:	7552093
Patent Number:	9489687

Property Type	Number
Patent Number:	7797245
Patent Number:	8010538
Patent Number:	8688676
Patent Number:	7681045
Patent Number:	8010803
Patent Number:	7631294
Patent Number:	10256977
Patent Number:	9547657
Patent Number:	11422799
Patent Number:	11568130
Patent Number:	9305169
Patent Number:	9369482
Application Number:	16324422
Application Number:	17387832
Patent Number:	9742791
Patent Number:	9680856
Patent Number:	10362050
Patent Number:	10362051
Patent Number:	11108803
Patent Number:	11775363
Patent Number:	11829751
Patent Number:	7467402
Patent Number:	8341711
Patent Number:	8925051
Patent Number:	9239745
Patent Number:	8087088
Patent Number:	8621639
Patent Number:	8789187
Application Number:	17356269
Application Number:	17450564
Application Number:	17686892
Application Number:	17901071
Application Number:	17901074
Application Number:	17950025
Application Number:	17667473
Application Number:	18121966
Application Number:	18228576
Patent Number:	8370929

Property Type	Number
Patent Number:	8863280
Patent Number:	9569334
Patent Number:	10379993
Patent Number:	11249877
Patent Number:	11307961
Patent Number:	9923892
Patent Number:	9405915
Patent Number:	9830460
Patent Number:	10657264
Patent Number:	9742792
Patent Number:	8281401
Patent Number:	8893282
Patent Number:	10282550
Patent Number:	11042645
Patent Number:	11036868
Patent Number:	9792443
Patent Number:	10965708
Patent Number:	10855717
Patent Number:	11601462
Application Number:	17972353
Application Number:	18242207
Application Number:	18233735
Application Number:	18503109

CORRESPONDENCE DATA

Fax Number: 6509385200

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 650-988-8500

Email: ldean@fenwick.com

Correspondent Name: FENWICK & WEST LLP

Address Line 1:   801 California Street

Address Line 4:   Mountain View, CALIFORNIA 94041

ATTORNEY DOCKET NUMBER:	22524-01000
NAME OF SUBMITTER:	Laura Dean
SIGNATURE:	Laura Dean
DATE SIGNED:	02/23/2024

Total Attachments: 8

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Synopsys, Inc., a Delaware corporation, having a place of business at 675 Almanor Ave, Sunnyvale, CA 94085, U.S.A. ("ASSIGNOR") has sold, assigned, and transferred and does hereby sell, assign, and transfer to Software Integrity Group, Inc., a Delaware corporation, having a place of business at 675 Almanor Ave, Sunnyvale, CA 94085, U.S.A. ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application(s), including those filed under 35 U.S.C. § 111, design applications filed under 35 U.S.C. § 171, Registered Community Designs, international applications filed according to the Patent Cooperation Treaty (PCT), U.S. national phase applications filed under 35 U.S.C. § 371, national or regional applications filed in any other country throughout the world, and any patents issuing thereon ("PATENT RIGHTS"):

Title	Application Number	Patent Number	Country
COLLECTION INFORMATION MANAGER	09/885,078	7,447,703	United States of America
Systems and methods for performing static analysis on source code	10/637,453	7,340,726	United States of America
UPDATING GROUPS OF ITEMS	11/339,178	7,966,346	United States of America
COMPUTER PROGRAMMING ADAPTIVE ANALYSIS	12/183,988	8,473,907	United States of America
METHODS FOR SELECTIVELY PRUNING FALSE PATHS IN GRAPHS THAT USE HIGH-PRECISION STATE INFORMATION	12/197,197	8,359,583	United States of America
METHODS FOR SELECTIVELY PRUNING FALSE PATHS IN GRAPHS THAT USE HIGH-PRECISION STATE INFORMATION	13/745,946	8,762,961	United States of America
Methods for Marking, Merging, and Managing the Results of Software Program Analysis	12/168,851	8,516,434	United States of America
THREAT ASSESSMENT OF SOFTWARE-CONFIGURED SYSTEM BASED UPON ARCHITECTURE MODEL AND AS-BUILT CODE	12/895,847	8,413,249	United States of America
LOAD-TIME INSTRUMENTATION OF VIRTUAL MACHINE PROGRAM CODE	12/399,885	8,863,093	United States of America
STATIC TAINTING ANASYSTEM AND METHOD FOR TAINT ANALYSIS OF COMPUTER PROGRAM CODELYSIS	2,823,446	2,823,446	Canada
Static tainting analysis system and method for taint analysis of computer program code	13179799.5	602013028028.2	Germany (Federal Republic of)
Static Tainting Analysis System and Method for Taint Analysis of Computer Program Code	13179799.5	2696288	European Patent
Static tainting analysis system and method for taint analysis of computer program code	13179799.5	2696288	France
STATIC TAINTING ANASYSTEM AND METHOD FOR TAINT ANALYSIS OF COMPUTER PROGRAM CODELYSIS	13179799.5	2696288	United Kingdom
SYSTEM AND METHOD FOR STATIC CONTAMINATION FOR CONTAMINATION ANALYSIS OF COMPUTER PROGRAM CODE	2013-164730	5740702	Japan
STATIC TAINTING ANASYSTEM AND METHOD FOR TAINT ANALYSIS OF COMPUTER PROGRAM CODELYSIS	13/570,024	9,015,831	United States of America
SECURITY REMEDIATION	13/842,176	9,141,807	United States of America
SECURITY REMEDIATION	14/859,650	10,417,430	United States of America

POLICY EVALUATION BASED UPON DYNMAMIC OBSERVATION, STATIC ANALYSIS AND CODE CHANGE HISTORY	13/844,110	9,317,399	United States of America
Software and hardware emulation system	15/132,196	10,713,069	United States of America
PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE	14744673.6	2976716	Germany (Federal Republic of)
PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE	14744673.6	2976716	European Patent
PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE	14744673.6	2976716	Finland
PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE	14744673.6	2976716	United Kingdom
PRIORITIZATION OF TESTS OF COMPUTER PROGRAM CODE	14/037,540	9,612,943	United States of America
STATIC ANALYSIS OF COMPUTER CODE TO DETERMINE IMPACT OF CHANGE TO A CODE COMPONENT UPON A DEPENDENT CODE COMPONENT	14/037,576	9,032,376	United States of America
STATIC ANALYSIS OF COMPUTER CODE TO DETERMINE IMPACT OF CHANGE TO A CODE COMPONENT UPON A DEPENDENT CODE COMPONENT	14/708,980	9,836,390	United States of America
Consensus Testing of Electronic System	05110181.4	602005019580.7	Germany (Federal Republic of)
Consensus Testing of Electronic System	05110181.4	1780946	European Patent
Consensus Testing of Electronic System	05110181	1780946	France
Consensus Testing of Electronic System	05110181.4	1780946	United Kingdom
Consensus Testing of Electronic System	11/589,484	7,797,590	United States of America
Method and Arrangement for Test Case Creation	12/378,048	8,869,110	United States of America
Method, device arrangement and computer program product for creating identity graphs analyzing communication network	08153785.4	602008061868.4	Germany (Federal Republic of)
Method, Device Arrangement and Computer Program Product For Analyzing Communication Network	08153785.4	2107715	European Patent
Method, device arrangement and computer program product for creating identity graphs analyzing communication network	08153785.4	2107715	France
Method, device arrangement and computer program product for creating identity graphs analyzing communication network	08153785.4	2107715	United Kingdom
Method, device arrangement and computer program product for producing identity graphs for analyzing communication network	12/414,960	8,654,127	United States of America
Network-Based Testing Service and Method of Testing in a Network	14/365,128	9,639,456	United States of America
Monitoring Operation of Communication Protocol Procedure	13183467.3	602013057841.9	Germany (Federal Republic of)
Monitoring Operation of Communication Protocol Procedure	13183467.3	2709312	European Patent
Monitoring of the operation of the communication protocol procedure	20125951	124560	Finland
Monitoring Operation of Communication Protocol Procedure	13183467.3	2709312	France
Monitoring Operation of Communication Protocol Procedure	13183467.3	2709312	United Kingdom
Monitoring Operation of Communication Protocol Procedure	14/022,585	9,110,876	United States of America
System for Testing Computer Application	13152670.9	602013016361.8	Germany (Federal Republic of)
System for Testing Computer Application	13152670.9	2759956	European Patent
System for Testing Computer Application	13152670.9	2759956	Finland
System for Testing Computer Application	13152670.9	2759956	United Kingdom
System for Testing Computer Application	14/161,306	9,258,320	United States of America
System for Testing Computer Application	15/003,791	10,291,631	United States of America
Method for Detecting Libraries in Program Binaries	14186376.1	602014017814.6	Germany (Federal Republic of)
Method for Detecting Libraries in Program Binaries	14186376.1	3001319	European Patent
Method for Detecting Libraries in Program Binaries	14186376.1	3001319	Finland
Method for Detecting Libraries in Program Binaries	14186376.1	3001319	United Kingdom

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Method for Detecting Libraries in Program Binaries	14186376.1	3001319	Ireland (Republic of)
Method for testing computer program product	15/514,498	10,650,145	United States of America
Method for Detecting Libraries in Program Binaries	16/872,525	11,048,798	United States of America
METHODS AND SYSTEMS OF DETECTING AND ANALYZING CORRELATED OPERATIONS IN A COMMON STORAGE	10837164.2	2513800	Germany (Federal Republic of)
METHODS AND SYSTEMS OF DETECTING AND ANALYZING CORRELATED OPERATIONS IN A COMMON STORAGE	10837164.2	2513800	European Patent
METHODS AND SYSTEMS OF DETECTING AND ANALYZING CORRELATED OPERATIONS IN A COMMON STORAGE	10837164.2	2513800	France
METHODS AND SYSTEMS OF DETECTING AND ANALYZING CORRELATED OPERATIONS IN A COMMON STORAGE	10837164.2	2513800	United Kingdom
Methods and Systems of Detecting and Analyzing Correlated Operations in a Common Storage	220420	220420	Israel
Methods and systems of detecting and analyzing correlated operations in a common storage	13/515,545	9,280,668	United States of America
Methods and systems of detecting and analyzing correlated operations in a common storage	15/063,452	10,057,280	United States of America
METHOD AND SYSTEM OF RUNTIME ANALYSIS	10837163.4	602010055169.5	Germany (Federal Republic of)
Method and System if Runtime Analysis	10837163.4	2513793	European Patent
METHOD AND SYSTEM OF RUNTIME ANALYSIS	10837163.4	2513793	France
METHOD AND SYSTEM OF RUNTIME ANALYSIS	10837163.4	2513793	United Kingdom
Methods and system of runtime analysis	220419	220419	Israel
METHOD AND SYSTEM OF RUNTIME ANALYSIS	10837163.4	2513793	Netherlands
Method and System of Runtime Analysis	13/515,538	8,726,394	United States of America
Method and system of runtime analysis	14/274,804	9,043,924	United States of America
AUTOMATED HTTP USER FLOWS SIMULATOR	201780052409.X	ZL201780052409.X	China
AUTOMATED HTTP USER FLOWS SIMULATOR	15/636,721	10,282,282	United States of America
Detecting Mistyped Identifiers and Suggesting Corrections Using Other Program Identifiers	15/593,292	10,216,611	United States of America
Generating a transition system for use with model checking	2007299571	2007299571	Australia
Generating a transition system for use with model checking	12/441,889	8,850,415	United States of America
Multi Language Software Code Analysis	2008328515	2008328515	Australia
Multi Language Software Code Analysis	08851908.7	602008061181.7	Germany (Federal Republic of)
Multi Language Software Code Analysis	08851908.7	2223213	European Patent
Multi Language Software Code Analysis	08851908.7	2223213	France
Multi Language Software Code Analysis	08851908.7	2223213	United Kingdom
Multi Language Software Code Analysis	12/743,695	8,869,120	United States of America
Inter-Procedural Analysis of Computer Programs	12/709,053	8,296,735	United States of America
Analysis of Program Code	14/540,929	9,760,469	United States of America
Separating test coverage in software processes using shared memory	15/389,454	10,496,524	United States of America
Detecting Errors for Function Calls with an Implicit Receiver Object	15/449,851	10,474,555	United States of America
System and method for enhanced direction of automated content identification in a distributed environment	12/149,889	8,024,313	United States of America
IDENTIFICATION OF SOFTWARE COMPONENTS IN A SOFTWARE CODEBASE	2,993,944		Canada
IDENTIFYING SOFTWARE COMPONENTS IN A SOFTWARE CODEBASE	16844836.3		European Patent
Identifying software components in a software codebase	14/795,559	9,471,285	United States of America
Identifying software components in a software codebase	15/296,024	10,628,577	United States of America

DISTINGUISHING PUBLIC AND PRIVATE CODE IN TESTING ENVIRONMENTS	15/693,341	10,289,536	United States of America
Detecting Sensitive Data Sent From Client Device to Third-Party	15/425,985	10,491,629	United States of America
STATIC CODE TESTING OF ACTIVE CODE	15/202,547	10,216,620	United States of America
TECHNOLOGY VALIDATION AND OWNERSHIP	16/324,422		United States of America
Method for understanding and testing third party software components	10/285,576	7,539,978	United States of America
Systems and Methods for Detecting Software Buffer Security Vulnerabilities	10/342,247	7,302,707	United States of America
Systems and methods for detecting software security vulnerabilities	10/342,310	7,392,545	United States of America
Methods for Identifying Malicious Software	10/948,147	7,644,441	United States of America
System and Method to Perform Secure Web Application Testing Based on a Hybrid Pipelined Approach	14/488,232	9,208,324	United States of America
Interactive Verification of Security Vulnerability Detections Using Runtime Application Traffic	15/887,900	11,030,318	United States of America
Systems and Methods for Model-Based Analysis of Software	201780043890.6		China
Systems and Methods for Model-Based Analysis of Software	17799959.6		European Patent
Systems and Methods for Model-Based Analysis of Software	15/595,683	10,303,448	United States of America
SYSTEMS AND METHODS FOR MODEL-BASED ANALYSIS OF SOFTWARE	16901891.8		European Patent
System and Methods for Model-Based Analysis of Software	15/249,269	10,133,649	United States of America
Systems and methods for adaptive analysis of software	15/249,268	10,127,386	United States of America
Systems and methods for analyzing software using queries	15/249,284	10,122,749	United States of America
Systems and methods for incremental analysis of software	15/249,300	10,127,135	United States of America
Authenticating licenses for legally-protectable content based on license profiles and content identifiers	10/728,173	8700533	United States of America
Resolving license dependencies for aggregations of legally-protectable content	10/728,174	7552093	United States of America
Methods and systems for managing software development	11/961,975	9,489,687	United States of America
Methods and systems for identifying an area of interest in protectable content	11/084,063	7797245	United States of America
Methods and systems for reporting regions of interest in content files	11/429,928	8010538	United States of America
Source code search engine	12/582,680	8688676	United States of America
Software algorithm identification	11/580,220	7681045	United States of America
Software export compliance	11/707,672	8010803	United States of America
Notification system for source code discovery	11/561,375	7631294	United States of America
Methods and systems for efficient representation of file sets	14/182,699	10,256,977	United States of America
Methods and systems for efficient comparison of file sets	14/182,711	9,547,657	United States of America
Organizing software packages based on identification of unique attributes	17/125,069	11,422,799	United States of America
Intelligent Software Development, Security, and Operations Workflow	17/387,832		United States of America
Discovering Contextualized Placeholder Variables in Template Code	17/116,795	11,568,130	United States of America
System and methods for scalably identifying and characterizing structural differences between document object models	14/105,038	9,305,169	United States of America
Site Independent System for Deriving Contextually Tailored Security Vulnerability Corrections for Hardening Solution Stacks	14/485,643	9,369,482	United States of America

Site independent methods for deriving contextually tailored security vulnerability corrections for hardening solution stacks	14/485,645	9,742,791	United States of America
System and methods for scalably identifying and characterizing structural differences between document object models	14/993,014	9,680,856	United States of America
System and methods for scalably identifying and characterizing structural differences between document object models	15/603,391	10,362,050	United States of America
Site independent methods for deriving contextually tailored security vulnerability corrections for hardening solution stacks	15/682,432	10,362,051	United States of America
Determining Security Vulnerabilities in Application Programming Interfaces	19120773	2573255	United Kingdom
Determining Security Vulnerabilities in Application Programming Interfaces	268789	268789	Israel
IDENTIFICATION OF SECURITY VULNERABILITIES IN APPLICATION SOFTWARE INTERFACES	2019128540	2755675	Russian Federation
A method for controlling a cooling system, a cooling system, a vehicle, a computer program and a computer-readable medium	19510049		Sweden
Determining Security Vulnerabilities in Application Programming Interfaces	15/447,108	11108803	United States of America
System and Method for Auditing a Graph-Based API	16/986,141	11,775,363	United States of America
Classification of programming language code into the basic constructs of source code and non-source code	17/356,269		United States of America
Instance instrumentation for different data sources	17/450,564		United States of America
System and Method for Automatically Capturing Source Code and Associated Artifacts for Static Analysis	17/558,242	11,829,751	United States of America
SEMANTIC ANALYSIS OF SOURCE CODE USING STUBS FOR EXTERNAL REFERENCES	17/686,892		United States of America
Accelerating Static Program Analysis With Artifact Reuse	17/901,071		United States of America
Accelerating Static Program Analysis With Summary Reuse	17/901,074		United States of America
Iterative generation of hypertext transfer protocol traffic	17/950,025		United States of America
CORRELATING OPEN SOURCE COMPONENT MATCHING RESULTS USING DIFFERENT SCANNING TECHNIQUES	17/667,473		United States of America
ELECTRONIC SYSTEM BEHAVIOR-BASED FEEDBACK FUZZ TESTING	18/121,966		United States of America
INFERRED DEPENDENCIES BETWEEN RESOURCES IN AN APPLICATION PROGRAMMING INTERFACE	18/228,576		United States of America
AUTOMATED LOGIN SESSION EXTENDER FOR USE IN SECURITY ANALYSIS SYSTEMS	11/210,351	7,467,402	United States of America
AUTOMATED LOGIN SESSION EXTENDER FOR USE IN SECURITY ANALYSIS SYSTEMS	12/267,235	8,341,711	United States of America
AUTOMATED LOGIN SESSION EXTENDER FOR USE IN SECURITY ANALYSIS SYSTEMS	13/681,759	8,925,051	United States of America
METHOD AND APPARATUS FOR MANAGING SECURITY VULNERABILITY LIFECYCLES	11/864,712	9,239,745	United States of America
USING FUZZY CLASSIFICATION MODELS TO PERFORM MATCHING OPERATIONS IN A WEB APPLICATION SECURITY SCANNER	11/864,736	8,087,088	United States of America
USING FUZZY CLASSIFICATION MODELS TO PERFORM MATCHING OPERATIONS IN A WEB APPLICATION SECURITY SCANNER	13/307,382	8,621,639	United States of America
PATTERN TRACKING AND CAPTURING HUMAN INSIGHT IN A WEB APPLICATION SECURITY SCANNER	11/864,787	8,789,187	United States of America

Automatic response culling for web application security scan spidering process	11/864,749	8,370,929	United States of America
Automatic response culling for web application security scan spidering process	13/732,554	8,863,280	United States of America
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	14775834.6	2972817	European Patent
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	14775834.6	2972817	United Kingdom
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	13/830,510	9,569,334	United States of America
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	15/405,045	10,379,993	United States of America
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	16/460,828	11,249,877	United States of America
TECHNIQUES FOR TRAVERSING REPRESENTATIONS OF SOURCE CODE	16/534,918	11,307,961	United States of America
ENHANCED AUTOMATIC RESPONSE CULLING WITH SIGNATURE GENERATION AND FILTERING	14/041,699	9,923,892	United States of America
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	14773337.2	2972866	Germany (Federal Republic of)
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	14773337.2	2972866	European Patent
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	22204561.9		European Patent
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	14773337.2	2972866	France
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	14773337.2	2972866	United Kingdom
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	13/830,312	9,405,915	United States of America
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	15/222,595	9,830,460	United States of America
TECHNIQUES FOR CORRELATING VULNERABILITIES ACROSS AN EVOLVING CODEBASE	15/822,797	10,657,264	United States of America
SITE SECURITY MONITOR	15186572.2	EP 3 002 706 B1	Germany (Federal Republic of)
SITE SECURITY MONITOR	15186572.2	EP 3 002 706 B1	European Patent
SITE SECURITY MONITOR	15186572.2	EP 3 002 706 B1	United Kingdom
SITE SECURITY MONITOR	14/504,256	9,742,792	United States of America
SYSTEM FOR DETECTING VULNERABILITIES IN WEB APPLICATIONS USING CLIENT-SIDE APPLICATION INTERFACES	2595758	2 595 758	Canada
DETECTING VULNERABILITIES IN WEB APPLICATIONS USING CLIENT-SIDE APPLICATION INTERFACES	06719727.7	60 2006 056 364.7	Germany (Federal Republic of)
SYSTEM FOR DETECTING VULNERABILITIES IN APPLICATIONS USING CLIENT-SIDE APPLICATION INTERFACES	06719727.7	EP 1 849 090	European Patent
DETECTING VULNERABILITIES IN WEB APPLICATIONS USING CLIENT-SIDE APPLICATION INTERFACES	06719727.7	1849090	United Kingdom
System for detecting vulnerabilities in web applications using client-side application interfaces	11/339,373	8,281,401	United States of America
SYSTEM FOR DETECTING VULNERABILITIES IN WEB APPLICATIONS USING CLIENT-SIDE APPLICATION INTERFACES	13/595,829	8,893,282	United States of America

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AUTO-REMEDIATION WORKFLOW FOR COMPUTER SECURITY TESTING	14/656,490	10,282,550	United States of America
AUTO-REMEDIATION WORKFLOW FOR COMPUTER SECURITY TESTING UTILIZING PRE-EXISTING SECURITY CONTROLS	16/049,683	11,042,645	United States of America
AUTO-REMEDIATION WORKFLOW FOR COMPUTER SECURITY TESTING	16/403,934	11,036,868	United States of America
POSITION ANALYSIS OF SOURCE CODE VULNERABILITIES	14/656,503	9,792,443	United States of America
SYSTEMS AND METHODS FOR MACHINE LEARNING BASED APPLICATION SECURITY TESTING	19814852.0		European Patent
SYSTEMS AND METHODS FOR MACHINE LEARNING BASED APPLICATION SECURITY TESTING	16/001,812	10,965,708	United States of America
SYSTEMS AND METHODS OF INTELLIGENT AND DIRECTED DYNAMIC APPLICATION SECURITY TESTING	16/891,996	10,855,717	United States of America
SYSTEMS AND METHODS OF INTELLIGENT AND DIRECTED DYNAMIC APPLICATION SECURITY TESTING	17/105,239	11,601,462	United States of America
Discovery methods and fuzzing techniques for serverless functions through the management API	17/972,353		United States of America
Instrumenting Functions to Mitigate Security Vulnerabilities	18/242,207		United States of America
Software component definition locator by area and trail search of relational component identifiers	18/233,735		United States of America
Code Defect Scoring for Static Code Analysis	18/503,109		United States of America

and;

2. The entire worldwide right, title, and interest in and to:
(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

ASSIGNOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Duly Authorized Representative of ASSIGNOR   Date of Signature

17 February 2024

David Pursley, VP, Legal & Deputy General Counsel
Synopsys, Inc.

<u>Duly Authorized Representative of ASSIGNEE</u>   <u>Date of Signature</u>

_D–ℓ M₃_

14 February 2024

David Moyce, President, Secretary and Treasurer
Software Integrity Group, Inc.

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RECORDED: 02/23/2024