

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8418032

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS
CONVEYING PARTY DATA	
Name	Execution Date
ALTER DOMUS (US) LLC	01/31/2024
RECEIVING PARTY DATA	
Name:	BMC SOFTWARE, INC.
Street Address:	2103 CITY WEST BLVD.
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77042
Name:	BLADELOGIC, INC.
Street Address:	2103 CITY WEST BLVD.
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77042
PROPERTY NUMBERS Total: 507	
Property Type	Number
Patent Number:	7934126
Patent Number:	8151141
Patent Number:	7171621
Patent Number:	7325026
Patent Number:	7185017
Patent Number:	7114104
Patent Number:	7509672
Patent Number:	7730471
Patent Number:	7676695
Patent Number:	8782638
Patent Number:	9002902
Patent Number:	9489451
Patent Number:	10528457
Patent Number:	10990515
Application Number:	63009765

Property Type	Number
Application Number:	62955876
Patent Number:	6983321
Patent Number:	7774458
Patent Number:	6816898
Patent Number:	7849162
Patent Number:	7631102
Patent Number:	6748379
Patent Number:	7849061
Patent Number:	6633884
Patent Number:	7512635
Patent Number:	7350209
Patent Number:	6900822
Patent Number:	7089245
Patent Number:	8819084
Patent Number:	9710569
Patent Number:	9792387
Patent Number:	10002203
Patent Number:	6944630
Patent Number:	7302449
Patent Number:	9037536
Patent Number:	6606685
Patent Number:	6799189
Patent Number:	6996576
Patent Number:	7490147
Patent Number:	7028301
Patent Number:	7299243
Patent Number:	7720876
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Patent Number:	7461369
Patent Number:	7506047
Patent Number:	7966398
Patent Number:	7792948
Patent Number:	7024420
Patent Number:	6701320
Patent Number:	7131037
Patent Number:	7020706
Patent Number:	7111003

Property Type	Number
Patent Number:	7877783
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Patent Number:	8151261
Patent Number:	7680833
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Patent Number:	7287068
Patent Number:	7996501
Patent Number:	7617073
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Patent Number:	7062683
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Patent Number:	7496572
Patent Number:	7809762
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Patent Number:	7133884
Patent Number:	7769718
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Patent Number:	7940691
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Property Type	Number
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Patent Number:	7076481
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Patent Number:	6606631
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Patent Number:	6895586
Patent Number:	6873989
Patent Number:	6691121
Patent Number:	6901438
Patent Number:	6954783
Patent Number:	6772411
Patent Number:	7480866
Patent Number:	7444338
Application Number:	15915754
Application Number:	15704926

Property Type	Number
Application Number:	16946548
Application Number:	16434937
Application Number:	16408920
Application Number:	15476609
Application Number:	16263952
Application Number:	13835739
Application Number:	13929351
Application Number:	14674751
Application Number:	17303808
Application Number:	16665645
Application Number:	16722862
Application Number:	15476694
Application Number:	16705545
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Application Number:	16922431
Application Number:	17444102
Application Number:	63200896
Application Number:	17444189
Application Number:	17241568
Application Number:	17304015
Application Number:	17446600

CORRESPONDENCE DATA

Fax Number: (212)455-2502

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Phone: 2124552592

Email: ksolomon@stblaw.com

Correspondent Name: COURTNEY WELSHIMER, ESQ.

Address Line 1: SIMPSON THACHER & BARTLETT LLP

Address Line 2: 425 LEXINGTON AVENUE

Address Line 4: NEW YORK, NEW YORK 10017

ATTORNEY DOCKET NUMBER:	003563/0002
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NAME OF SUBMITTER:	COURTNEY WELSHIMER
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SIGNATURE:	/CW/
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DATE SIGNED:	02/01/2024
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Total Attachments: 33

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TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

This TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of January 31, 2024 (the “Effective Date”), is made by ALTER DOMUS (US) LLC, as collateral agent (in such capacity, the “Agent”) for the benefit of the Secured Parties in connection with that certain Second Lien Credit Agreement referred to below, in favor of BMC SOFTWARE, INC., a Delaware corporation, and BLADELOGIC, INC., a Delaware corporation (each, a “Grantor” and collectively, the “Grantors”).

WHEREAS, reference is made to the Second Lien Credit Agreement, dated as of September 30, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among Banff Guarantor Inc., a Delaware Corporation (“Holdings”), Boxer Parent Company Inc., a Delaware corporation, BMC Software, Inc., a Delaware corporation, and BladeLogic, Inc., a Delaware corporation (collectively, the “Borrowers”), the lenders from time to time party thereto and Alter Domus (US) LLC, as the Administrative Agent and the Collateral Agent;

WHEREAS, in connection with the Credit Agreement, each Grantor is a party to the Second Lien Security Agreement, dated as of September 30, 2021 in favor of the Agent (together with all amendments, restatements, supplements and modifications, if any, from time to time thereafter made thereto, the “Security Agreement”);

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered that certain Grant of Second Lien Security Interest in Patent Rights, dated as of September 30, 2021 (the “Patent Security Agreement”) in favor of the Agent, pursuant to which each Grantor granted a lien on an security interest in (collectively, the “Security Interest”) in all of such Grantor’s right, title and interest in, to and under the Collateral (as defined in the Patent Security Agreement), including, without limitation, the Patents listed on Schedule I attached hereto, to the Agent for the benefit of the Secured Parties as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) in full of the Obligations;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on September 30, 2021 at Reel/Frame 057683/0582; and

WHEREAS, the Grantors have requested, and the Agent has agreed, to terminate and release its Security Interest in the Collateral (as defined in the Patent Security Agreement), including, without limitation, the Patents listed on Schedule I attached hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. Unless otherwise defined herein or the context otherwise requires, the terms used in this Release, including its preamble and recitals, have the meanings provided or provided by reference in the Credit Agreement, the Security Agreement or the Patent Security Agreement, as applicable.

2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its Security Interest in the Collateral (as defined in the Patent Security Agreement), including, without limitation, the Patents set forth on Schedule I attached hereto,

and any right, title or interest of the Agent in such Collateral shall hereby cease and become void. If and to the extent that the Agent has acquired any right, title or interest in, to or under the Collateral (as defined in the Patent Security Agreement), including, without limitation, the Patents set forth on Schedule I attached hereto, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the applicable Grantor.

3. Termination. The Agent, without representation or warranty of any kind, hereby terminates and cancels the Patent Security Agreement.

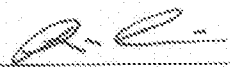
4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and their successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors' sole cost and expense, to more fully and effectively effectuate the purposes of this Release. The Agent authorizes and requests that the Commissioner for Patents of the United States Patent and Trademark Office record this Release.

5. Governing Law. This Release shall be governed by, and construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date.

ALTER DOMUS (US) LLC, as Agent

By: _____

Name: Pinju Chiu

Title: Associate Counsel

[SIGNATURE PAGE TO TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS (REEL/FRAME 057683/0582)]

SCHEDULE I
to
Termination and Release of Security Interest in Patents

PATENTS

Compuware Patents¹

Title	Application No.	Patent No.	Owner
Resolution of computer operations problems using fault trend analysis.	12690004	7934126 Valid till: 06-05-2027	BMC Software, Inc.
Resolution of computer operations problems using fault trend analysis.	13048763	8151141 Valid till: 06-05-2027	BMC Software, Inc.
Reformatting messages introduced into a user interface.	10006332	7171621 Valid till: 10-31-2023	BMC Software, Inc.
Network communications analysis.	10011347	7325026 Valid till: 07-07-2023	BMC Software, Inc.
System and method for selectively processing data sub-segments using a data mask.	10120573	7185017 Valid till: 02-02-2023	BMC Software, Inc.
System and method of fault detection in a Unix environment.	10364728	7114104 Valid till: 10-27-2024	BMC Software, Inc.
Cross-platform single sign-on data sharing.	10817275	7509672 Valid till: 03-25-2026	BMC Software, Inc.
Method and system for processing COBOL language record description entries that specify data items that include a varying length characteristic and computer readable storage medium for storing instructions for performing the method.	11180160	7730471 Valid till: 06-05-2028	BMC Software, Inc.

¹ The recordal confirmation has been received from the USPTO for the Assignee update from Compuware Corporation to BMC Software, Inc.

Title	Application No.	Patent No.	Owner
Resolution of computer operations problems using fault trend analysis.	11758641	7676695 Valid till: 06-12-2028	BMC Software, Inc.
Execution pathway for interfacing with legacy programs in a mainframe environment.	13300026	8782638 Valid till: 04-03-2032	BMC Software, Inc.
Techniques for constructing minimum supersets of test data from relational databases.	13603758	9002902 Valid till: 11-07-2033	BMC Software, Inc.
Visual data definition for identifying data items in loosely-structured data.	13910468	9489451 Valid till: 10-06-2034	BMC Software, Inc.
Automated Unit Testing In A Mainframe Environment	15913159	10528457 Valid till: 04-25-2038	BMC Software, Inc.
Automated Unit Testing in A Mainframe Environment.	16700261	10990515 Valid till: 03-06-2038	BMC Software, Inc.
Technique for Reporting Nested Linking Amongst Applications In Mainframe Computing Environment	63009765 ²	Provisional Application – Expired – formal Application filed: 17241568	Compuware Corporation
Automated Unit Testing in A CICS Mainframe Environment	62955876 ³	Provisional Application – Expired – formal Application filed: 16922431	Compuware Corporation

² This is a provisional patent application that became expired when a formal patent application was filed under the Assignee name of BMC Software. The Assignee name of this provisional will not be changed from Compuware Corporation to BMC Software, Inc. because it is unnecessary.

³ This is a provisional patent application that became expired when a formal patent application was filed under the Assignee name of BMC Software. The Assignee name of this provisional will not be changed from Compuware Corporation to BMC Software, Inc. because it is unnecessary.

Other Patents

Title	Patent No.	Issue Date	Owner
System and method of enterprise systems and business impact management	6983321	Jan 3, 2006	BMC Software, Inc.
System and method of enterprise systems and business impact management	7774458	Aug 10, 2010	BMC Software, Inc.
Interfacing external metrics into a performance management system	6816898	Nov 9, 2004	BMC Software, Inc.
A system and method for selecting a best-fit form or url in an originating web page as a target url for replaying a predefined path through the internet	7849162	Dec 7, 2010	BMC Software, Inc.
System and method of mediating a web page	7631102	Dec 8, 2009	BMC Software, Inc.
Graphical representation of disorganized database records in an IMS database	6748379	Jun 8, 2004	BMC Software, Inc.
Graphical representation of disorganized database records in an IMS database	7849061	Dec 7, 2010	BMC Software, Inc.
System and method for analyzing a database for on-line reorganization	6633884	Oct 14, 2003	BMC Software, Inc.
System and method for updating information on a computer system using a limited amount of space	7512635	Mar 31, 2009	BMC Software, Inc.
System and method for application performance management	7350209	Mar 25, 2008	BMC Software, Inc.
Performance and flow analysis method for communication networks	6900822	May 31, 2005	BMC Software, Inc.
Service desk data transfer interface	7089245	Aug 8, 2006	BMC Software, Inc.
Service desk data transfer interface	8819084	Aug 26, 2014	BMC Software, Inc.
Service desk data transfer interface	9710569	Jul 18, 2017	BMC Software, Inc.
Service desk data transfer interface	9792387	Oct 17, 2017	BMC Software, Inc.
Service desk data transfer interface	10002203	Jun 19, 2018	BMC Software, Inc.
Database management system and method which monitors activity levels and determines appropriate schedule times	6944630	Sep 13, 2005	BMC Software, Inc.
Database management system and method which monitors activity levels and determines appropriate schedule times	7302449	Nov 27, 2007	BMC Software, Inc.

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Database management system and method which monitors activity levels and determines appropriate schedule times	9037536	May 19, 2015	BMC Software, Inc.
System and method for intercepting file system writes	6606685	Aug 12, 2003	BMC Software, Inc.
System and method for creating a series of online snapshots for recovery purposes	6799189	Sep 28, 2004	BMC Software, Inc.
Database management system and method which automatically schedules and performs actions and monitors results	6996576	Feb 7, 2006	BMC Software, Inc.
Method and apparatus for collecting performance data in a computer application	7490147	Feb 10, 2009	BMC Software, Inc.
System and method for automatic workload characterization	7028301	Apr 11, 2006	BMC Software, Inc.
System and method for controlling free space distribution by key range within a database	7299243	Nov 20, 2007	BMC Software, Inc.
System and method for controlling free space distribution by key range within a database	7720876	May 18, 2010	BMC Software, Inc.
System and method for WAP server management using a single console	7170864	Jan 30, 2007	BMC Software, Inc.
System and method for comparing database data	7054891	May 30, 2006	BMC Software, Inc.
Java application response time analyzer	7461369	Dec 2, 2008	BMC Software, Inc.
Synthetic transaction monitor with replay capability	7506047	Mar 17, 2009	BMC Software, Inc.
Synthetic transaction monitor with replay capability	7966398	Jun 21, 2011	BMC Software, Inc.
Method and system for collecting, aggregating and viewing performance data on a site-wide basis	7792948	Sep 7, 2010	BMC Software, Inc.
Run-time access techniques for database images	7024420	Apr 4, 2006	BMC Software, Inc.
System and method for determining a character encoding scheme	6701320	Mar 2, 2004	BMC Software, Inc.
Method and system to correlate a specific alarm to one or more events to identify a possible cause of the alarm	7131037	Oct 31, 2006	BMC Software, Inc.

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Method and system for automatically updating multiple servers	7020706	Mar 28, 2006	BMC Software, Inc.
System and method for inputting data to a sort utility from a user program	7111003	Sep 19, 2006	BMC Software, Inc.
System and method for secure communications with a remote software program	7877783	Jan 25, 2011	BMC Software, Inc.
System and method for packaging updates	7194728	Mar 20, 2007	BMC Software, Inc.
System and method for packaging updates	8151261	Apr 3, 2012	BMC Software, Inc.
System and method for database structure comparison	7680833	Mar 16, 2010	BMC Software, Inc.
System and method for updating devices using limited amounts of random access memory	6976133	Dec 13, 2005	BMC Software, Inc.
System and method for updating devices that execute an operating system or application program directly from nonvolatile storage	7287068	Oct 23, 2007	BMC Software, Inc.
System and method for updating devices that execute an operating system application program directly from nonvolatile storage	7996501	Aug 9, 2011	BMC Software, Inc.
System and method for assessing and indicating the health of components	7617073	Nov 10, 2009	BMC Software, Inc.
System and method for assessing and indicating the health of components	8050890	Nov 1, 2011	BMC Software, Inc.
Two-phase root cause analysis	7062683	Jun 13, 2006	BMC Software, Inc.
Network management system to monitor managed elements	7882213	Feb 1, 2011	BMC Software, Inc.
Reorganizing database objects using variable length keys	7496572	Feb 24, 2009	BMC Software, Inc.
Outage-less database change operation	7809762	Oct 5, 2010	BMC Software, Inc.
System and method for statistical performance monitoring	7076397	Jul 11, 2006	BMC Software, Inc.
System and method for statistical performance monitoring	8000932	Aug 16, 2011	BMC Software, Inc.
Unobtrusive point-in-time consistent copies	7133884	Nov 7, 2006	BMC Software, Inc.
Unobtrusive point-in-time consistent copies	7769718	Aug 3, 2010	BMC Software, Inc.
Removing overflow rows in a relational database	7555491	Jun 30, 2009	BMC Software, Inc.

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Method of heuristic determination of network interface transmission mode and apparatus implementing such method	7742423	Jun 22, 2010	BMC Software, Inc.
Heuristic determination of network interface transmission mode	7940691	May 10, 2011	BMC Software, Inc.
Cascade delete processing	7664790	Feb 16, 2010	BMC Software, Inc.
Cascade delete processing	8645331	Feb 4, 2014	BMC Software, Inc.
Constraint processing	7930291	Apr 19, 2011	BMC Software, Inc.
Constraint processing	9449067	Sep 20, 2016	BMC Software, Inc.
System and method for collecting statistics related to software usage	7925635	Apr 12, 2011	BMC Software, Inc.
Monitoring several distributed resource elements as a resource pool	7689628	Mar 30, 2010	BMC Software, Inc.
Abnormality indicator of a desired group of resource elements	7502844	Mar 10, 2009	BMC Software, Inc.
Web services availability cache	7716353	May 11, 2010	BMC Software, Inc.
Facilitating root cause analysis for abnormal behavior of systems in a networked environment	7783744	Aug 24, 2010	BMC Software, Inc.
Configuration management database reference instance	7685167	Mar 23, 2010	BMC Software, Inc.
Log data store and assembler for large objects in database system	7730044	Jun 1, 2010	BMC Software, Inc.
Log data store and assembler for large objects in database system	8121992	Feb 21, 2012	BMC Software, Inc.
Dynamic compression of systems management data	7765346	Jul 27, 2010	BMC Software, Inc.
Dynamic compression of systems management data	8117361	Feb 14, 2012	BMC Software, Inc.
System and method for providing access to a database during a recovery process	7801865	Sep 21, 2010	BMC Software, Inc.
Database management system and method which monitors action results and adjusts user parameters in response	8271457	Sep 18, 2012	BMC Software, Inc.
Database reorganization technique	8239343	Aug 7, 2012	BMC Software, Inc.
Network transaction discovery	7996515	Aug 9, 2011	BMC Software, Inc.
Network transaction discovery	8560684	Oct 15, 2013	BMC Software, Inc.
Method and apparatus for loading data into multi-table tablespace	8818953	Aug 26, 2014	BMC Software, Inc.
Method and apparatus for building index of source data	7933927	Apr 26, 2011	BMC Software, Inc.

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System and method for resource reconciliation in an enterprise management system	9137115	Sep 15, 2015	BMC Software, Inc.
Resource reconciliation	10534577	Jan 14, 2020	BMC Software, Inc.
Resource reconciliation	10795643	Oct 6, 2020	BMC Software, Inc.
Generic discovery for computer networks	8683032	Mar 25, 2014	BMC Software, Inc.
Generic discovery for computer networks	9967162	May 8, 2018	BMC Software, Inc.
Generic discovery for computer networks	10523543	Dec 31, 2019	BMC Software, Inc.
User interface for network discovery operations	7941506	May 10, 2011	BMC Software, Inc.
System and method for business service management	8612408	Dec 17, 2013	BMC Software, Inc.
System and method for building business service model	8862631	Oct 14, 2014	BMC Software, Inc.
System and method for building business service model	9239857	Jan 19, 2016	BMC Software, Inc.
Method and system for deployment of agents	8443438	May 14, 2013	BMC Software, Inc.
Overlay dataset	9792348	Oct 17, 2017	BMC Software, Inc.
Overlay dataset	10585918	Mar 10, 2020	BMC Software, Inc.
Overlay dataset	10339159	Jul 2, 2019	BMC Software, Inc.
Bi-directional communication between change management tool and implementation tools	8887133	Nov 11, 2014	BMC Software, Inc.
Bi-directional communication between change management tool and implementation tools	9152413	Oct 6, 2015	BMC Software, Inc.
Bi-directional communication between change management tool and implementation tools	11132192	Sep 28, 2021	BMC Software, Inc.
Database application federation	9122719	Sep 1, 2015	BMC Software, Inc.
Database application federation	10235435	Mar 19, 2019	BMC Software, Inc.
Automated capacity provisioning method using historical performance data	8555287	Oct 8, 2013	BMC Software, Inc.
Automated capacity provisioning method using historical performance data	9065783	Jun 23, 2015	BMC Software, Inc.
Automated capacity provisioning method using historical performance data	9405587	Aug 2, 2016	BMC Software, Inc.

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Automated capacity provisioning method using historical performance data	10169095	Jan 1, 2019	BMC Software, Inc.
Automated capacity provisioning method using historical performance data	10942781	Mar 9, 2021	BMC Software, Inc.
Database recovery using logs applied to consistent copies	8671076	Mar 11, 2014	BMC Software, Inc.
Associating database log records into logical groups	8306945	Nov 6, 2012	BMC Software, Inc.
Dynamic folding of listed items for display	9779181	Oct 3, 2017	BMC Software, Inc.
Impact propagation in a directed acyclic graph	8301755	Oct 30, 2012	BMC Software, Inc.
Impact propagation in a directed acyclic graph having restricted views	8051164	Nov 1, 2011	BMC Software, Inc.
Service model flight recorder	8082275	Dec 20, 2011	BMC Software, Inc.
System, method and computer program product for optimized root cause analysis	8463899	Jun 11, 2013	BMC Software, Inc.
IMS change mapper	8190579	May 29, 2012	BMC Software, Inc.
Method and system for configuration management database software license compliance	8646093	Feb 4, 2014	BMC Software, Inc.
System and method for scheduled and collaborative distribution of software and data to many thousands of clients over a network using dynamic virtual proxies	8775456	Jul 8, 2014	BMC Software, Inc.
Method of reconciling resources in the metadata hierarchy	10831724	Nov 10, 2020	BMC Software, Inc.
Automation of mainframe software deployment	8464246	Jun 11, 2013	BMC Software, Inc.
Method to make SMP/E based products self describing	8584117	Nov 12, 2013	BMC Software, Inc.
Data set size tracking and management	9251149	Feb 2, 2016	BMC Software, Inc.
Unobtrusive copies of actively used compressed indices	8843449	Sep 23, 2014	BMC Software, Inc.
Unobtrusive copies of actively used compressed indices	9753811	Sep 5, 2017	BMC Software, Inc.
Unobtrusive copies of actively used compressed indices	10642696	May 5, 2020	BMC Software, Inc.
Software title discovery	8346752	Jan 1, 2013	BMC Software, Inc.

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Unified service model for business service management	10867259	Dec 15, 2020	BMC Software, Inc.
Balancing data across partitions of a table space during load processing	9177004	Nov 3, 2015	BMC Software, Inc.
Normalization engine to manage configuration management database integrity	8554750	Oct 8, 2013	BMC Software, Inc.
Normalization engine to manage configuration management database integrity	10671593	Jun 2, 2020	BMC Software, Inc.
CMDB federation method and management system	8082222	Dec 20, 2011	BMC Software, Inc.
MDR federation facility for CMDBF	8380749	Feb 19, 2013	BMC Software, Inc.
Method and system to automatically adapt web services from one protocol/idiom to another protocol/idiom	8473595	Jun 25, 2013	BMC Software, Inc.
Relational database page-level schema transformations	8161001	Apr 17, 2012	BMC Software, Inc.
Asynchronous collection and correlation of trace and communications event data	9037555	May 19, 2015	BMC Software, Inc.
Authorized application services via an xml message protocol	8353013	Jan 8, 2013	BMC Software, Inc.
Database quiesce operations	8171005	May 1, 2012	BMC Software, Inc.
Automated computer systems event processing	8601489	Dec 3, 2013	BMC Software, Inc.
Method to automatically redirect SRB routines to a ZIIP eligible enclave	8352947	Jan 8, 2013	BMC Software, Inc.
Method to automatically redirect SRB routines to a ZIIP eligible enclave	8352948	Jan 8, 2013	BMC Software, Inc.
A method to automatically redirect SRB routines to a ZIIP eligible enclave	9477518	Oct 25, 2016	BMC Software, Inc.
Method to automatically redirect SRB routines to a ZIIP eligible enclave	9158572	Oct 13, 2015	BMC Software, Inc.
Index page split avoidance with mass insert processing	8682872	Mar 25, 2014	BMC Software, Inc.
Offline restructuring of DEDB databases	8700566	Apr 15, 2014	BMC Software, Inc.
Offline restructuring of DEDB databases	9128976	Sep 8, 2015	BMC Software, Inc.
Area-specific reload of database	8180728	May 15, 2012	BMC Software, Inc.

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Method and system for traversing in reverse chronological order along a critical path of a plurality of jobs, and reducing time gaps between jobs until an estimated end time of the last job is less than or equal to a target end time	8473951	Jun 25, 2013	BMC Software, Inc.
Method of collecting and correlating locking data to determine ultimate holders in real time	8407531	Mar 26, 2013	BMC Software, Inc.
Automating application provisioning for heterogeneous datacenter environments	9122536	Sep 1, 2015	BMC Software, Inc.
Automating application provisioning for heterogeneous datacenter environments	9766935	Sep 19, 2017	BMC Software, Inc.
Intelligent and elastic resource pools for heterogeneous datacenter environments	8589554	Nov 19, 2013	BMC Software, Inc.
Extending a Database Recovery Point At A Disaster Recovery Site	9767181	Sep 19, 2017	BMC Software, Inc.
Method and system to enable inferencing for natural language queries of configuration management databases	8380645	Feb 19, 2013	BMC Software, Inc.
Extending a database recovery point at a disaster recovery site	8954563	Feb 10, 2015	BMC Software, Inc.
Utility-optimized scheduling of time-sensitive tasks in a resource-constrained environment	8875143	Oct 28, 2014	BMC Software, Inc.
Utility-optimized scheduling of time-sensitive tasks in a resource-constrained environment	9875135	Jan 23, 2018	BMC Software, Inc.
Mechanism for deprecating object oriented data	8983982	Mar 17, 2015	BMC Software, Inc.
Mechanism for deprecating object oriented data	9760589	Sep 12, 2017	BMC Software, Inc.
Mechanism for deprecating object oriented data	10558642	Feb 11, 2020	BMC Software, Inc.
Smart impact views	8743121	Jun 3, 2014	BMC Software, Inc.
Automatic determination of dynamic threshold for accurate detection of abnormalities	8457928	Jun 4, 2013	BMC Software, Inc.
Auto adjustment of baseline on configuration change	8478569	Jul 2, 2013	BMC Software, Inc.

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Graph expansion mini-view	9710938	Jul 18, 2017	BMC Software, Inc.
Graph expansion mini-view	10475218	Nov 12, 2019	BMC Software, Inc.
Graph expansion mini-view	11132820	Sep 28, 2021	BMC Software, Inc.
Method for customizing software applications	8832652	Sep 9, 2014	BMC Software, Inc.
Method for customizing software applications	9363252	Jun 7, 2016	BMC Software, Inc.
Mechanism to display graphical it infrastructure using configurable smart navigation	9467344	Oct 11, 2016	BMC Software, Inc.
Statistical identification of instances during reconciliation process	8712979	Apr 29, 2014	BMC Software, Inc.
Statistical identification of instances during reconciliation process	9323801	Apr 26, 2016	BMC Software, Inc.
Statistical identification of instances during reconciliation process	10198476	Feb 5, 2019	BMC Software, Inc.
Statistical identification of instances during reconciliation process	10877974	Dec 29, 2020	BMC Software, Inc.
Application blueprint and deployment model for dynamic business service management (BSM)	9805322	Oct 31, 2017	BMC Software, Inc.
Centrally managed impersonation	8677446	Mar 18, 2014	BMC Software, Inc.
Spotlight graphs	8674992	Mar 18, 2014	BMC Software, Inc.
System and method for offering virtual private clouds within a public cloud environment	8402127	Mar 19, 2013	BMC Software, Inc.
Client-side application script error processing	9003378	Apr 7, 2015	BMC Software, Inc.
Full-function to high availability large database conversion	8321480	Nov 27, 2012	BMC Software, Inc.
Log-based DDL generation	8924398	Dec 30, 2014	BMC Software, Inc.
Detection of customizations of application elements	8539598	Sep 17, 2013	BMC Software, Inc.
System and method for stateless, fault tolerance and load balanced data collection using overlay namespaces	8478888	Jul 2, 2013	BMC Software, Inc.
System and method for stateless, fault tolerance and load balanced data collection using overlay namespaces	8645555	Feb 4, 2014	BMC Software, Inc.
System and method for stateless, fault tolerance and load balanced data collection using overlay namespaces	8671194	Mar 11, 2014	BMC Software, Inc.
Dynamic dispatch for distributed object-oriented software systems	8589471	Nov 19, 2013	BMC Software, Inc.

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Integrating action requests from a plurality of spoke systems at a hub system	10592829	Mar 17, 2020	BMC Software, Inc.
Focus-driven user interface	10268730	Apr 23, 2019	BMC Software, Inc.
Directed graph transitive closure	8667027	Mar 4, 2014	BMC Software, Inc.
Cooperative naming for configuration items in a distributed configuration management database environment	10127296	Nov 13, 2018	BMC Software, Inc.
Cooperative naming for configuration items in a distributed configuration management database environment	10740352	Aug 11, 2020	BMC Software, Inc.
Pre-bursting to external clouds	8606924	Dec 10, 2013	BMC Software, Inc.
Use of metrics selected based on lag correlation to provide leading indicators of service performance degradation	9195563	Nov 24, 2015	BMC Software, Inc.
Cloud-based resource identification and allocation	8843633	Sep 23, 2014	BMC Software, Inc.
Server management with dynamic construction of pre-boot images	9250918	Feb 2, 2016	BMC Software, Inc.
Methods and apparatus related to graph transformation and synchronization	9116968	Aug 25, 2015	BMC Software, Inc.
Methods and apparatus related to graph transformation and synchronization	10733055	Aug 4, 2020	BMC Software, Inc.
Methods and apparatus related to completion of large objects within a db2 database environment	8595190	Nov 26, 2013	BMC Software, Inc.
Event processing based on meta-relationship definition	8595264	Nov 26, 2013	BMC Software, Inc.
Systems and methods for displaying, viewing and navigating three dimensional representations	8610743	Dec 17, 2013	BMC Software, Inc.
Service context	8745040	Jun 3, 2014	BMC Software, Inc.
Mobile service context	8818994	Aug 26, 2014	BMC Software, Inc.
Service context	9412084	Aug 9, 2016	BMC Software, Inc.
Systems and methods for displaying and viewing data models	8907988	Dec 9, 2014	BMC Software, Inc.
Systems and methods for displaying and viewing data models	10297052	May 21, 2019	BMC Software, Inc.
Monitoring based on client perspective	8688982	Apr 1, 2014	BMC Software, Inc.
Monitoring based on client perspective	8694779	Apr 8, 2014	BMC Software, Inc.

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Determination of quality of a consumer's experience of streaming media	8706895	Apr 22, 2014	BMC Software, Inc.
Automated upgrading method for capacity of it system resources	9356846	May 31, 2016	BMC Software, Inc.
Automated service time estimation method for it system resources	9350627	May 24, 2016	BMC Software, Inc.
Methods and apparatus for monitoring execution of a database query program	9015188	Apr 21, 2015	BMC Software, Inc.
Methods and apparatus for monitoring execution of a database query program	9652503	May 16, 2017	BMC Software, Inc.
Provision of index recommendations for database access	9773032	Sep 26, 2017	BMC Software, Inc.
Dynamic evocations for computer event management	8689241	Apr 1, 2014	BMC Software, Inc.
Systems and methods for applying dynamic relational typing to a strongly-typed object-oriented API	8782601	Jul 15, 2014	BMC Software, Inc.
Methods and apparatus for performing database management utility processes	9104429	Aug 11, 2015	BMC Software, Inc.
Database recovery progress report	8880479	Nov 4, 2014	BMC Software, Inc.
Systems and methods related to a temporal log structure database	8478771	Jul 2, 2013	BMC Software, Inc.
Display window with multi-layer, parallel tab display	9189134	Nov 17, 2015	BMC Software, Inc.
Monitoring network performance remotely	9100320	Aug 4, 2015	BMC Software, Inc.
Space management of an IMS database	7337199	Feb 26, 2008	BMC Software, Inc.
Facilitating suspension of batch application program access to shared IMS resources	7685122	Mar 23, 2010	BMC Software, Inc.
Registry synchronizer and integrity monitor	9300624	Mar 29, 2016	BMC Software, Inc.
Registry synchronizer and integrity monitor	9516109	Dec 6, 2016	BMC Software, Inc.
Systems and methods for migrating database data	8818949	Aug 26, 2014	BMC Software, Inc.
Systems and methods for migrating database data	9152659	Oct 6, 2015	BMC Software, Inc.
Systems and methods for migrating database data	10366074	Jul 30, 2019	BMC Software, Inc.
Dynamic service resource control	9223623	Dec 29, 2015	BMC Software, Inc.
Window-based scheduling using a key-value data store	8959518	Feb 17, 2015	BMC Software, Inc.

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Automated blueprint assembly for assembling an application	8914768	Dec 16, 2014	BMC Software, Inc.
Automated blueprint assembly for assembling an application	9557969	Jan 31, 2017	BMC Software, Inc.
Automated blueprint assembly for assembling an application	9727315	Aug 8, 2017	BMC Software, Inc.
Systems and methods for altering limit key values	8447791	May 21, 2013	BMC Software, Inc.
Unique attribute constraints for versioned database objects	8812539	Aug 19, 2014	BMC Software, Inc.
Optimization of path selection for transfers of files	10367878	Jul 30, 2019	BMC Software, Inc.
Application instrumentation code extension	9251026	Feb 2, 2016	BMC Software, Inc.
Application instrumentation code extension	10372586	Aug 6, 2019	BMC Software, Inc.
Application instrumentation code extension	10896117	Jan 19, 2021	BMC Software, Inc.
Semi-automatic discovery and generation of useful service blueprints	8874704	Oct 28, 2014	BMC Software, Inc.
Zero-outage database reorganization	9547672	Jan 17, 2017	BMC Software, Inc.
Zero-outage database reorganization	10289705	May 14, 2019	BMC Software, Inc.
Automated capacity aware provisioning	9135076	Sep 15, 2015	BMC Software, Inc.
Elastic packaging of application configuration	11132238	Sep 28, 2021	BMC Software, Inc.
Application of business process management standards for dynamic information technology management	9805319	Oct 31, 2017	BMC Software, Inc.
Application of business process management standards for dynamic information technology management	10540617	Jan 21, 2020	BMC Software, Inc.
Progressive analysis for big data	9734237	Aug 15, 2017	BMC Software, Inc.
Progressive analysis for big data	10706088	Jul 7, 2020	BMC Software, Inc.
User-centric annotated location aware asset mapping	9261372	Feb 16, 2016	BMC Software, Inc.
Management of annotated location aware assets	9631934	Apr 25, 2017	BMC Software, Inc.
Management of annotated location aware assets	9534903	Jan 3, 2017	BMC Software, Inc.
Management of annotated location aware assets	10788326	Sep 29, 2020	BMC Software, Inc.
Relative addressing usage for CPU performance	9122495	Sep 1, 2015	BMC Software, Inc.

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Additive independent object modification	9645833	May 9, 2017	BMC Software, Inc.
System and methods for remote access to IMS databases	9218226	Dec 22, 2015	BMC Software, Inc.
System and methods for remote access to IMS databases	9674293	Jun 6, 2017	BMC Software, Inc.
Automatic creation of graph time layer of model of computer network objects and relationships	9208051	Dec 8, 2015	BMC Software, Inc.
Automatic creation of graph time layer of model of computer network objects and relationships	10229243	Mar 12, 2019	BMC Software, Inc.
Managing a server template	9098322	Aug 4, 2015	BMC Software, Inc.
Managing a server template	9519504	Dec 13, 2016	BMC Software, Inc.
Managing a server template	9760396	Sep 12, 2017	BMC Software, Inc.
Memory leak detection	9003233	Apr 7, 2015	BMC Software, Inc.
Memory leak detection	11048616	Jun 29, 2021	BMC Software, Inc.
Computing infrastructure planning	9317327	Apr 19, 2016	BMC Software, Inc.
Off-screen window controls	9213555	Dec 15, 2015	BMC Software, Inc.
Systems and methods for remote access to Db2 databases	9218401	Dec 22, 2015	BMC Software, Inc.
Systems and methods for remote access to Db2 databases	9679059	Jun 13, 2017	BMC Software, Inc.
Systems and methods for remote access to Db2 databases	10572553	Feb 25, 2020	BMC Software, Inc.
Exception based quality assessment	9052980	Jun 9, 2015	BMC Software, Inc.
Service placement techniques for a cloud datacenter	9946527	Apr 17, 2018	BMC Software, Inc.
Service placement techniques for a cloud datacenter	11048490	Jun 29, 2021	BMC Software, Inc.
Storing and retrieving context sensitive data in a management system	9158799	Oct 13, 2015	BMC Software, Inc.
Storing and retrieving context sensitive data in a management system	9852165	Dec 26, 2017	BMC Software, Inc.
Method and system to release IMS resources used by IMS batch application programs	9336067	May 10, 2016	BMC Software, Inc.
Multi-entity normalization	9613070	Apr 4, 2017	BMC Software, Inc.
Multi-entity normalization	10324912	Jun 18, 2019	BMC Software, Inc.
Multi-entity normalization	11010359	May 18, 2021	BMC Software, Inc.
Application accelerator	9098557	Aug 4, 2015	BMC Software, Inc.
Business development configuration	9508051	Nov 29, 2016	BMC Software, Inc.
Story-mode user interface	10824993	Nov 3, 2020	BMC Software, Inc.

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Unicode character conversion using one of two conversion services	9048854	Jun 2, 2015	BMC Software, Inc.
Adaptive learning of effective troubleshooting patterns	9710525	Jul 18, 2017	BMC Software, Inc.
Auction based decentralized ticket allotment	10796361	Oct 6, 2020	BMC Software, Inc.
Authentication proxy agent	9654473	May 16, 2017	BMC Software, Inc.
Authentication proxy agent	10104079	Oct 16, 2018	BMC Software, Inc.
Workload management for license cost optimization	10936976	Mar 2, 2021	BMC Software, Inc.
System and method for automated customization of applications	9946528	Apr 17, 2018	BMC Software, Inc.
Application wrapping system and method	9535674	Jan 3, 2017	BMC Software, Inc.
Application wrapping system and method	10133564	Nov 20, 2018	BMC Software, Inc.
System and method for extending the functionality of an application	10831460	Nov 10, 2020	BMC Software, Inc.
Information portal based on partner information	8898237	Nov 25, 2014	BMC Software, Inc.
Network based application management	9396499	Jul 19, 2016	BMC Software, Inc.
Network based application management	10110665	Oct 23, 2018	BMC Software, Inc.
Network based application management	10826974	Nov 3, 2020	BMC Software, Inc.
Systems and methods for efficient db2 outage operations	9342351	May 17, 2016	BMC Software, Inc.
Server provisioning based on job history analysis	9819547	Nov 14, 2017	BMC Software, Inc.
Lifecycle reference partitioning for database objects	9311381	Apr 12, 2016	BMC Software, Inc.
Reference partitioning for database objects	10061831	Aug 28, 2018	BMC Software, Inc.
Capacity risk management for virtual machines	9483299	Nov 1, 2016	BMC Software, Inc.
Capacity risk management for virtual machines	10296364	May 21, 2019	BMC Software, Inc.
Capacity risk management for virtual machines	9983900	May 29, 2018	BMC Software, Inc.
Capacity risk management for virtual machines	10289440	May 14, 2019	BMC Software, Inc.
Capacity risk management for virtual machines	10896055	Jan 19, 2021	BMC Software, Inc.

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Monitoring signed resources transferred over a network	9712516	Jul 18, 2017	BMC Software, Inc.
Generation of support data records using natural language processing	9864798	Jan 9, 2018	BMC Software, Inc.
Generation of support data records using natural language processing	11010413	May 18, 2021	BMC Software, Inc.
Maintaining virtual machine templates	11061705	Jul 13, 2021	BMC Software, Inc.
Dynamic workload capping	9342372	May 17, 2016	BMC Software, Inc.
Dynamic workload capping	10643193	May 5, 2020	BMC Software, Inc.
Determining statuses of computer modules	10079713	Sep 18, 2018	BMC Software, Inc.
Determining statuses of computer modules	10257022	Apr 9, 2019	BMC Software, Inc.
Using multi-factor context for resolving customer service issues	10810600	Oct 20, 2020	BMC Software, Inc.
Extensibility of business logic shared across a business process orchestration engine, a rule engine, and a user interface	10504064	Dec 10, 2019	BMC Software, Inc.
Cost optimization in dynamic workload capping	9680657	Jun 13, 2017	BMC Software, Inc.
Dynamic workload capping	10812278	Oct 20, 2020	BMC Software, Inc.
Application monitoring for cloud-based architectures	9819729	Nov 14, 2017	BMC Software, Inc.
Application monitoring for cloud-based architectures	10171565	Jan 1, 2019	BMC Software, Inc.
Application monitoring for cloud-based architectures	10749939	Aug 18, 2020	BMC Software, Inc.
Reorganization of partition by growth space with lob columns	10521454	Dec 31, 2019	BMC Software, Inc.
System and method to dynamically allocate varying processing capacity entitlements based on workload importance	10108459	Oct 23, 2018	BMC Software, Inc.
System and method to dynamically allocate varying processing capacity entitlements based on workload importance	9846600	Dec 19, 2017	BMC Software, Inc.
Creating models based on performance metrics of a computing workloads running in a plurality of data centers to distribute computing workloads	10346204	Jul 9, 2019	BMC Software, Inc.
Automatic server cluster discovery	10171596	Jan 1, 2019	BMC Software, Inc.
Automatic server cluster discovery	10715608	Jul 14, 2020	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Automated scoring of unstructured events in information technology environments	10419268	Sep 17, 2019	BMC Software, Inc.
Asset floor map	10798538	Oct 6, 2020	BMC Software, Inc.
Phased start and stop of resources in a mainframe environment	10802878	Oct 13, 2020	BMC Software, Inc.
Systems and methods for intercepting access to messaging systems	10523603	Dec 31, 2019	BMC Software, Inc.
Cloud service interdependency relationship detection	10931532	Feb 23, 2021	BMC Software, Inc.
Automatic server classification in cloud environments	10686682	Jun 16, 2020	BMC Software, Inc.
Systems and methods for recovery of consistent database indexes	10565070	Feb 18, 2020	BMC Software, Inc.
Synthetic objects in service models	11102072	Aug 24, 2021	BMC Software, Inc.
Power saving through automated power scheduling of virtual machines	10817046	Oct 27, 2020	BMC Software, Inc.
Identifying change windows for performing maintenance on a service	10972353	Apr 6, 2021	BMC Software, Inc.
Method and system for executing and undoing distributed server change operations	7249174	Jul 24, 2007	BladeLogic Inc.
Method and system for executing and undoing distributed server change operations	8296755	Oct 23, 2012	BladeLogic Inc.
Method and system for executing and undoing distributed server change operations	8869132	Oct 21, 2014	BladeLogic Inc.
Method and system for simplifying distributed server management	8447963	May 21, 2013	BladeLogic Inc.
Method and system for simplifying distributed server management	9100283	Aug 4, 2015	BladeLogic Inc.
Method and system for simplifying distributed server management	9794110	Oct 17, 2017	BladeLogic Inc.
Method and system for simplifying distributed server management	10659286	May 19, 2020	BladeLogic Inc.
Method and system for model-based heterogeneous server configuration management	8549114	Oct 1, 2013	BladeLogic Inc.
Information technology enterprise manager and product portfolio manager application module	8549036	Oct 1, 2013	BladeLogic Inc.
Secure credential store	8510810	Aug 13, 2013	BladeLogic Inc.
Secure credential store	9094217	Jul 28, 2015	BladeLogic Inc.

Title	Patent No.	Issue Date	Owner
Systems and methods to support information technology business decisions	8335692	Dec 18, 2012	BladeLogic Inc.
Vendor portfolio management in support of vendor relationship management analysis, planning and evaluation	8266096	Sep 11, 2012	BladeLogic Inc.
Systems and methods for digital file change monitoring	8589343	Nov 19, 2013	BladeLogic Inc.
Systems and methods for extensible distributed resource configuration management	7996500	Aug 9, 2011	BladeLogic Inc.
Security context passing for stateless system management	8752137	Jun 10, 2014	BladeLogic Inc.
Security context passing for stateless system management	9489499	Nov 8, 2016	BladeLogic Inc.
Multi-level key management	8971535	Mar 3, 2015	BladeLogic Inc.
Multi-level key management	9866375	Jan 9, 2018	BladeLogic Inc.
System and method for cloud provisioning and application deployment	9274811	Mar 1, 2016	BladeLogic Inc.
System and method for cloud provisioning and application deployment	10430204	Oct 1, 2019	BladeLogic Inc.
Topology aware smart merge	9491052	Nov 8, 2016	BladeLogic Inc.
Auto-suggesting it asset groups using clustering techniques	10824986	Nov 3, 2020	BladeLogic Inc.
Continuous content sharing through intelligent resolution of federated hierarcidcal graphs	8533197	Sep 10, 2013	BladeLogic Inc.
Monitoring network performance of encrypted communications	9197606	Nov 24, 2015	BladeLogic Inc.
Monitoring network performance of encrypted communications	10142215	Nov 27, 2018	BladeLogic Inc.
Monitoring network performance of encrypted communications	10735297	Aug 4, 2020	BladeLogic Inc.
System and method for installing, updating and uninstalling applications	9442708	Sep 13, 2016	BladeLogic Inc.
System and method for installing, updating and uninstalling applications	10592222	Mar 17, 2020	BladeLogic Inc.
System and method for installing, updating and uninstalling applications	10922067	Feb 16, 2021	BladeLogic Inc.
Self-evolving computing service template translation	8789022	Jul 22, 2014	BladeLogic Inc.

Title	Patent No.	Issue Date	Owner
Self-evolving computing service template translation	9286189	Mar 15, 2016	BladeLogic Inc.
Hybrid-cloud infrastructures	9122552	Sep 1, 2015	BladeLogic Inc.
Hybrid-cloud infrastructures	9841962	Dec 12, 2017	BladeLogic Inc.
Computer-readable medium, apparatus, and methods of automatic capability installation	9207928	Dec 8, 2015	BladeLogic Inc.
Data access of slowly changing dimensions	9208183	Dec 8, 2015	BladeLogic Inc.
Behavioral rules discovery for intelligent computing environment administration	9195943	Nov 24, 2015	BladeLogic Inc.
Behavioral rules discovery for intelligent computing environment administration	9563849	Feb 7, 2017	BladeLogic Inc.
Behavioral rules discovery for intelligent computing environment administration	10692007	Jun 23, 2020	BladeLogic Inc.
Enforcing referential integrity for object data documents	9659051	May 23, 2017	BladeLogic Inc.
Enforcing referential integrity for object data documents	10528548	Jan 7, 2020	BladeLogic Inc.
Dynamic virtual port provisioning	9535737	Jan 3, 2017	BladeLogic Inc.
Provisioning of containers for virtualized applications	10693948	Jun 23, 2020	BladeLogic Inc.

Expired Patents

Title	Patent No.	Issue Date	Owner
System for optimizing data transmission associated with addressable-buffer devices	4750137 (Expired)	Jun 7, 1988	BMC Software, Inc.
System for supporting an erase input key with input suppression in a system for optimizing data transmission associated with addressable-buffer devices	4837679 (Expired)	Jun 6, 1989	BMC Software, Inc.
Data transmission optimizer, including programmable symbol code point sorting feature	4937739 (Expired)	Jun 26, 1990	BMC Software, Inc.
Method for optimizing data streams containing two-byte characters	5005137 (Expired)	Apr 2, 1991	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Data transmission optimizer including multi-pass symbol buffer optimization, trial generation feature and MDT reset voting feature	5046025 (Expired)	Sep 3, 1991	BMC Software, Inc.
User programmable computer monitoring system	5062147 (Expired)	Oct 29, 1991	BMC Software, Inc.
System for optimizing data transmissions associated with addressable buffer devices	5113354 (Expired)	May 12, 1992	BMC Software, Inc.
Data transmission optimizer including device-specific attribute elimination	5122949 (Expired)	Jun 16, 1992	BMC Software, Inc.
Databases system for permitting concurrent indexing and reloading of data by early simulating the reload process to determine final locations of the data	5222235 (Expired)	Jun 22, 1993	BMC Software, Inc.
A method for editing the contents of a Db2 table using an ediproc manager	5396623 (Expired)	Mar 7, 1995	BMC Software, Inc.
Method of dynamically adding and removing Db2 active logs	5430871 (Expired)	Jul 4, 1995	BMC Software, Inc.
Method of dynamically generating a local format for use by a logical unit in a VTAM-type communications session	5432901 (Expired)	Jul 11, 1995	BMC Software, Inc.
Method of canceling a Db2 thread	5432933 (Expired)	Jul 11, 1995	BMC Software, Inc.
Method of dynamically expanding or contracting a Db2 buffer pool	5440692 (Expired)	Aug 8, 1995	BMC Software, Inc.
Multi-user computer system with a clock driven batch dispatching mechanism	5511220 (Expired)	Apr 23, 1996	BMC Software, Inc.
Method for processing interrupt requests in a computer system operating environment having different types of supervisor programs concerned with different types of interrupt events	5566334 (Expired)	Oct 15, 1996	BMC Software, Inc.
Method of dynamically adjusting SNA network control program parameters	5572674 (Expired)	Nov 5, 1996	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Improved method of checking index integrity in a db2 database	5579515 (Expired)	Nov 26, 1996	BMC Software, Inc.
Method of identifying Db2 objects to be recovered from an unavailable DASD volume without need to access the DASD volume itself and without need for pre-failure preparation	5625817 (Expired)	Apr 29, 1997	BMC Software, Inc.
System for monitoring and managing computer resources and applications across a distributed computing environment using an intelligent autonomous agent architecture	5655081 (Expired)	Aug 5, 1997	BMC Software, Inc.
Method of avoiding physical i/o via caching with prioritized LRU management	5664217 (Expired)	Sep 2, 1997	BMC Software, Inc.
Method and system for reducing the errors in the measurements of resource usage in computer system processes and analyzing process data with subsystem data	5761091 (Expired)	Jun 2, 1998	BMC Software, Inc.
Method of optimizing database organization using sequential unload/load operations	5761667 (Expired)	Jun 2, 1998	BMC Software, Inc.
Method of removing unneeded data from Db2 logs and other data sets having displacement-dependent data	5761676 (Expired)	Jun 2, 1998	BMC Software, Inc.
Method for compressing sequential data into compression symbols using double-indirect indexing into a dictionary data structure	5815096 (Expired)	Sep 29, 1998	BMC Software, Inc.
Method of efficient collection of SQL performance measures	5860069 (Expired)	Jan 12, 1999	BMC Software, Inc.
Bypass send and receive optimizer method for VTAM processes	5892907 (Expired)	Apr 6, 1999	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Method for the distribution of code and data updates using indentifiers to select updated portions	5919247 (Expired)	Jul 6, 1999	BMC Software, Inc.
Dynamic alteration of operating system kernel resource tables	5956507 (Expired)	Sep 21, 1999	BMC Software, Inc.
System for managing computer resources across a distributed computing environment by first reading discovery information about how to determine system resources presence	5978594 (Expired)	Nov 2, 1999	BMC Software, Inc.
Method of reorganizing a data entry database	5991761 (Expired)	Nov 23, 1999	BMC Software, Inc.
Method of retrieving data from a relational database	6009271 (Expired)	Dec 28, 1999	BMC Software, Inc.
Method and apparatus for compressing digital data	6011871 (Expired)	Jan 4, 2000	BMC Software, Inc.
Single instruction method of seizing control of program execution flow in a multiprocessor computer system	6014740 (Expired)	Jan 11, 2000	BMC Software, Inc.
An extended SQL change definition language for a computer database system	6115704 (Expired)	Sep 5, 2000	BMC Software, Inc.
System and architecture for distributing, monitoring and managing information requests on a computer network	6141759 (Expired)	Oct 31, 2000	BMC Software, Inc.
System and method for product registration	6151707 (Expired)	Nov 21, 2000	BMC Software, Inc.
Check data operation for Db2	6163783 (Expired)	Dec 19, 2000	BMC Software, Inc.
Method of creating an internally consistent copy of an actively updated data set without specialized caching hardware	6202136 (Expired)	Mar 13, 2001	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Dynamic alteration of operating system kernel resource tables	6272519 (Expired)	Aug 7, 2001	BMC Software, Inc.
System and method for the distribution of code and data	6272536 (Expired)	Aug 7, 2001	BMC Software, Inc.
Method of dynamically adjusting NCP program memory allocation of SNA network	6298371 (Expired)	Oct 2, 2001	BMC Software, Inc.
System and architecture for distributing, monitoring, and managing information requests on a computer network	6304967 (Expired)	Oct 16, 2001	BMC Software, Inc.
Method and apparatus for monitoring a network environment	6327677 (Expired)	Dec 4, 2001	BMC Software, Inc.
Method and apparatus for producing instructions describing the removal of updates to a computer system	6367075 (Expired)	Apr 2, 2002	BMC Software, Inc.
Method and apparatus for controlling client computer systems	6381631 (Expired)	Apr 30, 2002	BMC Software, Inc.
Method and apparatus for using a static metadata object to reduce database accesses	6393424 (Expired)	May 21, 2002	BMC Software, Inc.
Method and apparatus for obtaining storage information from a transaction log	6418437 (Expired)	Jul 9, 2002	BMC Software, Inc.
Hot spot analysis of IMS databases	6418443 (Expired)	Jul 9, 2002	BMC Software, Inc.
Method and apparatus for accepting and rejecting files according to a manifest	6430608 (Expired)	Aug 6, 2002	BMC Software, Inc.
Method and apparatus for intelligent storage and reduction of network information	6453346 (Expired)	Sep 17, 2002	BMC Software, Inc.
Enterprise management system and method which includes summarization having a plurality of levels of varying granularity	6513065 (Expired)	Jan 28, 2003	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
System and method for integrating a plurality of disparate database utilities into a single graphical user interface	6523035 (Expired)	Feb 18, 2003	BMC Software, Inc.
Enterprise management system and method which includes semantically correct summarization	6560647 (Expired)	May 6, 2003	BMC Software, Inc.
Enterprise management system and method which indicates chaotic behavior in system resource usage for more accurate modeling and prediction	6564174 (Expired)	May 13, 2003	BMC Software, Inc.
Database utilities	6622142 (Expired)	Sep 16, 2003	BMC Software, Inc.
Enterprise management system and method which includes statistical recreation of system resource usage for more accurate monitoring, prediction, and performance workload characterization	6691067 (Expired)	Feb 10, 2004	BMC Software, Inc.
Method and apparatus for identifying changes made to a computer system due to software installation	6738970 (Expired)	May 18, 2004	BMC Software, Inc.
Protocol technology for client/server environment	6901435 (Expired)	May 31, 2005	BMC Software, Inc.
Database utilities	7016905 (Expired)	Mar 21, 2006	BMC Software, Inc.
Method and apparatus for logically reconstructing incomplete records	7076481 (Expired)	Jul 11, 2006	BMC Software, Inc.
Database utilities	7096227 (Expired)	Aug 22, 2006	BMC Software, Inc.
Method and apparatus for obtaining storage information from a transaction log	7188108 (Expired)	Mar 6, 2007	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
System and method for identifying changes made to a computer system due to software installation	7448033 (Expired)	Nov 4, 2008	BMC Software, Inc.
Sequential unload processing of IMS databases	7720805 (Expired)	May 18, 2010	BMC Software, Inc.
Enterprise data movement system and method which performs data load and changed data propagation operations	6016501 (Expired)	Jan 18, 2000	BMC Software, Inc./Informatica LLC
Enterprise data movement system and method which maintains and compares edition levels for consistency of replicated data	6029178 (Expired)	Feb 22, 2000	BMC Software, Inc./Informatica LLC
Enterprise data movement system and method including opportunistic performance of utilities and data move operations for improved efficiency	6035307 (Expired)	Mar 7, 2000	BMC Software, Inc./Informatica LLC
System and method for handling backout processing during capture of changed data in an enterprise computer system	6092086 (Expired)	Jul 18, 2000	BMC Software, Inc./Informatica LLC
System and method of enterprise systems and business impact management	7930396 (Expired)	Apr 19, 2011	BMC Software, Inc.
Enterprise management system and method which indicates chaotic behavior in system resource usage for more accurate modeling and prediction	6643614 (Expired)	Nov 4, 2003	BMC Software, Inc.
Service desk system architecture for a mobile service workforce	6668054 (Expired)	Dec 23, 2003	BMC Software, Inc.
Service desk system for allowing easily changeable associations for data retrieval and display	6671368 (Expired)	Dec 30, 2003	BMC Software, Inc.
Customizing business logic and data sources by modifying methods defined within an API	6678887 (Expired)	Jan 13, 2004	BMC Software, Inc.

Title	Patent No.	Issue Date	Owner
Referential integrity navigation in a database system	6502092 (Expired)	Dec 31, 2002	BMC Software, Inc.
IMS on-line reorganization utility	6606631 (Expired)	Aug 12, 2003	BMC Software, Inc.
Navigation of view relationships in database system	6609122 (Expired)	Aug 19, 2003	BMC Software, Inc.
Enterprise management system and method which includes a common enterprise-wide namespace and prototype-based hierarchical inheritance	6895586 (Expired)	May 17, 2005	BMC Software, Inc.
Graphical display of IMS space usage characteristics	6873989 (Expired)	Mar 29, 2005	BMC Software, Inc.
Method and apparatus for online and dynamic extension of IMS data entry databases	6691121 (Expired)	Feb 10, 2004	BMC Software, Inc.
A system selects a best-fit form or url in an originating web page as a target url for replaying a predefined path through the internet	6901438 (Expired)	May 31, 2005	BMC Software, Inc.
System and method of mediating a web page	6954783 (Expired)	Oct 11, 2005	BMC Software, Inc.
Software performance and management system	6772411 (Expired)	Aug 3, 2004	BMC Software, Inc.

Abandoned Patents

Title	Patent No.	Issue Date	Owner
Performance and flow analysis method for communication networks	7480866 (Abandoned)	Jan 20, 2009	BMC Software, Inc.

Ensuring that a database and its description are synchronized	7444338 (Abandoned)	Oct 28, 2008	BMC Software, Inc.
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Patent Application

Title	Application No.	Application Date	Owner
System and method for building business service model	15915754	Mar 8, 2018	BMC Software, Inc.
Extending a database recovery point at a disaster recovery site	15704926	Sep 14, 2017	BMC Software, Inc.
Cooperative naming for configuration items in a distributed configuration management database environment	16946548	Jun 26, 2020	BMC Software, Inc.
Optimization of path selection for transfers of files	16434937	Jun 7, 2019	BMC Software, Inc.
Zero-outage database reorganization	16408920	May 10, 2019	BMC Software, Inc.
Additive independent object modification	15476609	Mar 31, 2017	BMC Software, Inc.
Automatic creation of graph time layer of model of computer network objects and relationships	16263952	Jan 31, 2019	BMC Software, Inc.
Configurable user interface interactions using a state machine combined with event orchestration	13835739	Mar 15, 2013	BMC Software, Inc.
Work assignment queue elimination	13929351	Jun 27, 2013	BMC Software, Inc.
Systems and methods for formless information technology and social support mechanics	14674751	Mar 31, 2015	BMC Software, Inc.
Maintaining virtual machine templates	17303808	Jun 8, 2021	BMC Software, Inc.
Extensibility of business logic shared across a business process orchestration engine, a rule engine, and a user interface	16665645	Oct 28, 2019	BMC Software, Inc.

Title	Application No.	Application Date	Owner
Reorganization of partition by growth space with lob columns	16722862	Dec 20, 2019	BMC Software, Inc.
Behavioral analytics in information technology infrastructure incident management systems	15476694	Mar 31, 2017	BMC Software, Inc.
Systems and methods for intercepting access to messaging systems	16705545	Dec 6, 2019	BMC Software, Inc.
Cloud service interdependency relationship detection	17248255	Jan 15, 2021	BMC Software, Inc.
Prioritized remediation of information security vulnerabilities based on service model aware multi-dimensional security risk scoring	16194735	Nov 19, 2018	BMC Software, Inc.
Rapid content deployment on a publication platform	16411551	May 14, 2019	BMC Software, Inc.
Synthetic objects in service models	17445682	Aug 23, 2021	BMC Software, Inc.
Real-time intelligent filtering and extraction of mainframe log data	16352161	Mar 13, 2019	BMC Software, Inc.
Creative and additive reconciliation of data records	16289639	Feb 28, 2019	BMC Software, Inc.
Reachability graph-based safe remediations for security of on-premise and cloud computing environments	16750323	Jan 23, 2020	BMC Software, Inc.
System and method for troubleshooting abnormal behavior of an application	16730043	Dec 30, 2019	BMC Software, Inc.
Search data curation and enrichment for deployed technology	16835926	Mar 31, 2020	BMC Software, Inc.
A cloud-native proxy gateway to cloud resources	16836847	Mar 31, 2020	BMC Software, Inc.
Performance prediction using dynamic model correlation	16949477	Oct 30, 2020	BMC Software, Inc.
Performance prediction using dynamic model correlation	62704966	Jun 4, 2020	BMC Software, Inc.
Application state prediction using component state	16948075	Sep 1, 2020	BMC Software, Inc.

Title	Application No.	Application Date	Owner
Systems and methods for efficient transfer of log data	17301377	Mar 31, 2021	BMC Software, Inc.
Restart tolerance in system monitoring	17248396	Jan 22, 2021	BMC Software, Inc.
Short-term model calibration in system monitoring	17301143	Mar 26, 2021	BMC Software, Inc.
Automated unit testing in a mainframe CICS environment	16922431	Jul 7, 2020	BMC Software, Inc.
Root cause identification and event classification in system monitoring	17444102	Jul 30, 2021	BMC Software, Inc.
Root cause identification and event classification in system monitoring	63200896	Apr 1, 2021	BMC Software, Inc.
Inter-environment communication with environment isolation	17444189	Jul 31, 2021	BMC Software, Inc.
Technique for reporting nested linking among applications in mainframe computing environment	17241568	Apr 27, 2021	BMC Software, Inc.
Iterative performance analysis with interval expansion	17304015	Jun 11, 2021	BMC Software, Inc.
Index generation and use with indeterminate ingestion patterns	17446600	Aug 31, 2021	BMC Software, Inc.