

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4986193

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YAHOO HOLDINGS, INC.	10/24/2017

RECEIVING PARTY DATA

Name:	EXCALIBUR IP, LLC
Street Address:	140 EAST 45TH STREET
Internal Address:	15TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 30

Property Type	Number
Patent Number:	5724033
Patent Number:	5737352
Patent Number:	5745889
Patent Number:	5745894
Patent Number:	5745899
Patent Number:	5745900
Patent Number:	5765149
Patent Number:	5765150
Patent Number:	5765158
Patent Number:	5765168
Patent Number:	5787435
Patent Number:	5809502
Patent Number:	5852820
Patent Number:	5909677
Patent Number:	5914679
Patent Number:	5915251
Patent Number:	5963954
Patent Number:	5966703
Patent Number:	5970497

PATENT

Property Type	Number
Patent Number:	5983227
Patent Number:	6047286
Patent Number:	6067543
Patent Number:	6230155
Patent Number:	6230158
Patent Number:	7171414
Patent Number:	7565359
Patent Number:	8352854
Patent Number:	9626342
Application Number:	11933135
Application Number:	15212835

CORRESPONDENCE DATA

Fax Number: (312)321-4299
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.

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Email: mdolinski@brinksgilson.com,jrauch@brinksgilson.com,cpopoca@brinksgilson.com
Correspondent Name: JOHN G. RAUCH
Address Line 1: BRINKS GILSON & LIONE
Address Line 2: P.O. BOX 10395
Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	12729-1490
NAME OF SUBMITTER:	JOHN G. RAUCH
SIGNATURE:	/John G. Rauch/
DATE SIGNED:	05/31/2018

Total Attachments: 9

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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement ("Agreement") is entered into as of October 24, 2017 ("Effective Date") by and between Yahoo Holdings, Inc., a Delaware corporation having an address at 701 First Avenue, Sunnyvale, CA 94089 ("Yahoo Holdings" or "Assignor") and Excalibur IP, LLC, a Delaware limited liability company, having its offices at 140 East 45th Street, 15th floor, New York, New York 10017 ("Excalibur" or "Assignee").

WHEREAS, Yahoo Holdings and Yahoo! Inc. entered into a certain Reorganization Agreement, dated as of July 23, 2016 (the "Reorganization Agreement"), pursuant to which Yahoo! Inc. agreed to assign to Assignor certain intellectual property rights;

WHEREAS, pursuant to the Reorganization Agreement, on June 13, 2017, Yahoo! Inc. assigned certain intellectual property rights to Yahoo Holdings;

WHEREAS, the June 13, 2017 assignment from Yahoo! Inc. to Yahoo Holdings also inadvertently included assets that were not owned by Yahoo! Inc., but rather are owned by Excalibur IP, LLC, and such assets should not have been include in the assignment to Assignor;

WHEREAS, Yahoo Holdings and Excalibur wish to clarify that the assets described in this Agreement, including without the limitation, the attached Schedule of Assigned Patent Assets have belonged and continue to belong to Excalibur.

NOW, THEREFORE, in consideration of the foregoing premises and the covenants and agreements set forth below and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, Assignor and Assignee hereby agree as follows:

- (A) Yahoo Holdings disavows any claim of ownership to the assets listed in the attached Schedule. To the extent Yahoo Holdings has any ownership rights to the assets in the Schedule, Yahoo Holdings hereby irrevocably assigns, transfers and conveys to Excalibur all rights to the assets on the Schedule, including without limitation the following:
- (1) the entire right, title and interest, everywhere in the world to:
 - (a) the issued patents and patent applications set forth on the attached Schedule;
 - (b) any patent applications and patents that may claim priority to any of the items included in subclause (a);
 - (c) any continuations, divisions, continuations-in-part, substitutes, reissues, extensions, renewals and worldwide counterparts of any of the items included in subclause (a) or (b);
 - (d) any patents that may issue on any of the patent applications included in subclause (a), (b) or (c);

- (e) any results of oppositions, reexaminations, supplemental examinations and other review procedures with respect to any of the items included in subclause (a), (b), (c) or (d); and
- (f) with respect to each item included in subclauses (a), (b), (c), (d) and (e), the right to claim all benefits and priority rights under any existing or future international patent conventions, legislation or treaties;

(all of the foregoing in this clause (A)(1), collectively, the "Assigned Patents");

- (2) the right to sue third parties for infringement (including, without limitation, for damages and injunctive relief) of any of the Assigned Patents based on any activities occurring prior to, contemporaneously with or after the Effective Date;
- (3) any current or future right to receive royalties based on any of the foregoing in subclause (1) or (2); and
- (4) the right to prosecute and maintain the Assigned Patents;

(all of the foregoing in this clause (A), collectively, the "Assigned Rights").

(B) Assignee hereby accepts such assignment, transfer and conveyance of the Assigned Rights.

(C) Assignor agrees, upon the written request (and at the sole expense) of Assignee (or its successors, assigns or legal representatives) to:

- (1) execute all oaths, assignments, powers and any other papers;
- (2) testify in any proceeding; and
- (3) otherwise take any lawful action and reasonably cooperate with Assignee;

in each case in subclause (1), (2) and (3), for the sole purpose of conveying, establishing, evidencing, maintaining, protecting, defending and enforcing Assignee's rights in the Assigned Rights.

(D) Assignor hereby authorizes and requests the Commissioner of Patents of the United States to record this Agreement and to issue any patents from any patent applications included in the Assigned Patents to and in the name of Assignee.

(E) This Agreement, the rights and obligations of Assignor and Assignee under this Agreement and any claim or controversy directly or indirectly based upon, arising out of or related to this Agreement or the transactions contemplated by this Agreement (whether based upon contract, tort or any other theory), including, without limitation, all matters of construction, validity and performance, will be governed by and construed in accordance with the laws of

the State of California, without regard to any conflict of laws provisions that would require the application of the law of any other jurisdiction.

- (F) This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original copy of this Agreement and all of which, when taken together, will be deemed to constitute one and the same agreement.
- (G) This Agreement will be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, Assignor and Assignee have caused this Agreement to be signed below by their respective duly authorized officers as of the Effective Date.

Yahoo Holdings, Inc.

Excalibur, IP, LLC

Kevin Kramer
Signature

Signature

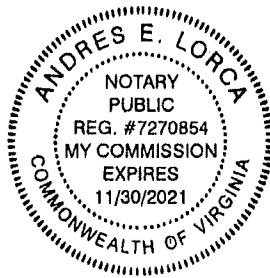
Kevin Kramer
Name

Name

Vice President, Head of IP
Title

Title

Notary Seal:



Notary Seal:

Commonwealth of Virginia
City/County of Loudoun

The foregoing instrument was subscribed and sworn before me
this 26th day of October, 2017
by Kevin Kramer

Notary Signature [Signature]
Registration # 7270854 Expires November 30, 2021
ANDRES E. LORCA, Notary Public

[Signature Page to Patent Assignment Agreement]

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PATENT
REEL: 045954 FRAME: 0969

IN WITNESS WHEREOF, Assignor and Assignee have caused this Agreement to be signed below by their respective duly authorized officers as of the Effective Date.

Yahoo Holdings, Inc.

Signature

Name

Title

Notary Seal:

Excalibur IP, LLC



Signature

DeAnn Work
Name

Vice President
Title

Notary Seal: *see attached.*

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of San Francisco)

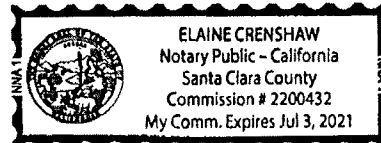
On October 25, 2017 before me, Elaine Crenshaw, Notary Public
(insert name and title of the officer)

personally appeared DeAnn Work,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Elaine Crenshaw* (Seal)



Schedule

Count	Patent/Pub/App.	CO	Title	Priority Date
1.	5,724,033	USA	Method For Encoding Delta Values	8/9/96
2.	5,737,352	USA	Semiconductor Diode Laser, In Particular A Laser Amplifier, And Method Of Manufacturing This Laser	11/8/96
3.	5,745,889	USA	Method for Parsing Information of Databases Records Using Word Location Pairs and metaword Location Pairs	8/9/96
4.	5,745,894	USA	Method For Generating And Searching A Range-Based Index Of Word-Locations	8/9/96
5.	5,745,899	USA	Method For Indexing Information Of A Database	8/9/96
6.	5,745,900	USA	Method For Indexing Duplicate Database Records Using A Full-Record Fingerprint	8/9/96
7.	5,765,149	USA	Modified Collection Frequency Ranking Method	8/9/96
8.	5,765,150	USA	Method For Statistically Projecting The Ranking Of Information	8/9/96
9.	5,765,158	USA	Method for Sampling a Compressed Index to Create a Summarized Index	8/9/96
10.	5,765,168	USA	Method For Maintaining An Index	8/9/96
11.	5,787,435	USA	Method For Mapping An Index Of A Database Into An Array Of Files	8/9/96
12.	5,809,502	USA	Object-Oriented Interface For An Index	8/9/96
13.	5,852,820	USA	Method for Optimizing Entries for Searching an Index	8/9/96
14.	5,909,677	USA	Method For Determining the Resemblance of Documents	6/18/96
15.	5,914,679	USA	Method For Encoding Delta Values	8/9/96
16.	5,915,251	USA	Method For Generating And Searching A Range-Based Index Of Word-Locations	8/9/96
17.	5,963,954	USA	Method For Mapping An Index Of A Database Into An Array Of Files	8/9/96
18.	5,966,703	USA	Technique For Indexing Information Stored As A Plurality Of Records	8/9/96
19.	5,970,497	USA	Method For Indexing Duplicate Records Of Information In A Database	8/9/96
20.	5,983,227	USA	Dynamic Page Generator	6/12/97
21.	6,047,286	USA	Method for Optimizing Entries for searching an	8/9/96

[Schedule]

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Count	Patent/Pub/App.	CO	Title	Priority Date
			Index	
22.	6,067,543	USA	Object Oriented Interface For An Index	8/9/96
23.	6,230,155	USA	Method For Determining The Resemblance of Documents	6/18/96
24.	6,230,158	USA	Method For Indexing Duplicate Records of Information of a Database	8/9/96
25.	7,171,414	USA	Dynamic Page Generator	6/12/97
26.	7,565,359	USA	Dynamic Page Generator	6/12/97
27.	8,352,854	USA	Dynamic Page Generator	6/12/97
28.	9,626,342	USA	Dynamic Page Generator	6/12/97
29.	08/665,709	USA	Method For Determining the Resemblance of Documents	6/18/96
30.	08/689,541	USA	Method For Indexing Information Of A Database	8/9/96
31.	08/689,542	USA	Method for Optimizing Entries for Searching an Index	8/9/96
32.	08/694,793	USA	Method for Parsing Information of Databases Records Using Word Location Pairs and metaword Location Pairs	8/9/96
33.	08/695,057	USA	Modified Collection Frequency Ranking Method	8/9/96
34.	08/695,059	USA	Method For Encoding Delta Values	8/9/96
35.	08/695,904	USA	Object-Oriented Interface For An Index	8/9/96
36.	08/695,905	USA	Method For Statistically Projecting The Ranking Of Information	8/9/96
37.	08/696,408	USA	Method For Generating And Searching A Range-Based Index Of Word-Locations	8/9/96
38.	08/696,409	USA	Method for Sampling a Compressed Index to Create a Summarized Index	8/9/96
39.	08/696,816	USA	Method For Maintaining An Index	8/9/96
40.	08/700,748	USA	Method For Mapping An Index Of A Database Into An Array Of Files	8/9/96
41.	08/711,192	USA	Method For Indexing Duplicate Database Records Using A Full-Record Fingerprint	8/9/96
42.	08/745,761	USA	Semiconductor Diode Laser, In Particular A Laser Amplifier, And Method Of Manufacturing This Laser	11/8/96
43.	08/873,975	USA	Dynamic Page Generator	6/12/97
44.	09/032,826	USA	Method For Encoding Delta Values	8/9/96
45.	09/054,438	USA	Technique For Indexing Information Stored As A Plurality Of Records	8/9/96
46.	09/054,445	USA	Method For Generating And Searching A	8/9/96

[Schedule]

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Count	Patent/Pub/App.	CO	Title	Priority Date
			Range-Based Index Of Word-Locations	
47.	09/066,654	USA	Method For Indexing Duplicate Records Of Information In A Database	8/9/96
48.	09/123,542	USA	Method For Mapping An Index Of A Database Into An Array Of Files	8/9/96
49.	09/135,656	USA	Object Oriented Interface For An Index	8/9/96
50.	09/138,088	USA	Method for Optimizing Entries for searching an Index	8/9/96
51.	09/197,928	USA	Method For Determining The Resemblance of Documents	6/18/96
52.	09/393,718	USA	Dynamic Page Generator	6/12/97
53.	09/420,950	USA	Method For Indexing Duplicate Records of Information of a Database	8/9/96
54.	11/656,636	USA	Dynamic Page Generator	6/12/97
55.	11/842,095	USA	Dynamic Page Generator	6/12/97
56.	11/933,135	USA	Dynamic Page Generator	6/12/97
57.	13/724,453	USA	Dynamic Page Generator	6/12/97
58.	15/212,835	USA	Location Uncertainty In Search	12/31/14

[Schedule]

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