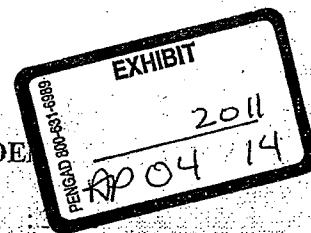


Ex 5



IN THE UNITED STATES PATENT AND TRADE

Control No. : 90/011,010	Art Unit :
Patent No. : 5,544,352	Examiner : Joshua D. Campbell
Filed : May 24, 2010	Conf. No. : 2567

Title: METHOD AND APPARATUS FOR INDEXING, SEARCHING, AND DISPLAYING DATA

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SUPPLEMENTAL AMENDMENT AND REPLY

This is a Supplemental Amendment and Reply to the Amendment and Reply that was filed on February 22, 2011, in response to the non-final Office Action dated December 10, 2010. The response is being supplemented because the claims were not annotated correctly; Patent Owner failed to underline the new claims in accordance with 37 CFR 1.530(f)(2). Also, the fee for the additional claims was unintentionally omitted when the response was filed. Patent Owner respectfully requests entry of this Supplemental Amendment and Reply pursuant to 37 CFR 1.111(a)(2)(E) and further requests incorporation of the Exhibits filed and served with the Response filed February 22, 2011 by hand delivery. The only changes are to the Amendments to the Claims, the signature page, and Certificate of Service.

Amendments to the claims begin on page 2 of this paper.

A Listing of the Status of Claims and Support for Claim Changes begins on page 6 of this paper.

Remarks begin on page 7 of this paper.

EXHIBIT 2011
Facebook, Inc. et al.
v.

JACOBS DECLARATION

EXHIBIT 4J

.11
.T
Preliminary Report-International Algebraic Language

.B
CACM December, 1958

.A
Perlis, A. J.
Samelson, K.

.N
CASS1203 JB March 22, 1978 8:28 PM

.X

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DR

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.12
.T
Extraction of Roots by Repeated Subtractions for Digital Computers

.B
CACM December, 1958

.A
Sugai, I.

.N
CASS1202 JB March 22, 1978 8:29 PM

.X

2	5	2
2	5	2
2	5	2

.J3

.T
Techniques Department on Matrix Program Schemes

.B
CACM December, 1958

.A
Friedman, M. D.

.N
CASS1201 JB March 22, 1978 8:50 PM

.X

3	5	3
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.I4

.T
Glossary of Computer Engineering and Programming Terminology

.B
CACM November, 1958

.N
CASS1103 JB March 22, 1978 8:52 PM

.X

4	5	4
4	5	4
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.15

.T
Two Square-Root Approximations

.B
CACM November, 1958

.A
Wadey, W. G.

.N

CASS1102 JB March 22, 1978 8:53 PM

.X

5	5	5
5	5	5
5	5	5

.16

.T
The Use of Computers in Inspection Procedures

.B
CACM November, 1958

.A
Muller, M. E.

.N
CASS1101 JB March 22, 1978 8:53 PM

.X

6	5	6
6	5	6
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477	5	6
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.17

.T
Glossary of Computer Engineering and Programming Terminology

.B
CACM October, 1958

.N
CASS1003 JB March 22, 1978 8:58 PM

.X

7	5	7
7	5	7
7	5	7

.18

.T
On The Equivalence and Transformation of Program Schemes

.B
CACM October, 1958

.A
Friedman, M. D.

.N
CASS1002 JB March 22, 1978 8:56 PM

.X

8	5	8
8	5	8
8	5	8

.19

.T
Proposal for an UNCOL

.B
CACM October, 1958

.A
Conway, M. E.

.N
CASS1001 JB March 22, 1978 8:57 PM

.X

9	5	9
9	5	9
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.J10

.T
Glossary of Computer Engineering and Programming Terminology

.B
CACM September, 1958

.N
CASS0903 JB March 22, 1978 8:59 PM

.X

10	5	10
10	5	10
10	5	10

.111

.T
The Problem of Programming Communication with Changing Machines A Proposed Solution-Part 2

.B
CACM September, 1958

.A
Strong, J.

Wegstein, J.

Titter, A.

Olszym, J.

Mock, O.

Stiel, T.

.N

CASS0902 JB March 22, 1978 8:41 PM

.X

1781	5	11
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3188 6 11
584 6 11
600 6 11
680 6 11
691 6 11
763 6 11
799 6 11
J 12
.T
Error Estimation in Runge-Kutta Procedures
.B
CACM September, 1958
.A
Call, D. H.
Reeves, R. F.
.N
CA580901 JB March 22, 1978 8:56 PM
.X
12 5 12
12 5 12
12 5 12
J 13
.T
Glossary of Computer Engineering and Programming Terminology
.B
CACM August, 1958
.N
CA580805 JB March 22, 1978 8:57 PM
.X
13 5 13
13 5 13
13 5 13
J 14
.T
The Problem of Programming Communication with

Changing Machines A Proposed Solution (Part 1)
.B
CACM August, 1958
.A
Strong, J.
Wegstein, J.
Tritter, A.
Oliszyn, J.
Mock, O.
Steel, T.
.N
CA580804 JB March 22, 1978 9:02 PM
.X
1159 5 14
1988 5 14
381 5 14
14 5 14
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14 5 14
1496 6 14
381 6 14
11 6 14
14 6 14
14 6 14
14 6 14
14 6 14
J 15
.T
Recursive Curve Fitting Technique
.B
CACM August, 1958
.A
Giblin, J.
.N
CA580803 JB March 22, 1978 9:02 PM
.X
15 5 15
15 5 15
15 5 15
75 5 15
15 6 15
94 6 15
J 16
.T
Secant Modification of Newton's Method
.B

CACM August, 1958
.A
Jeeves, T. A.
.N
CA580802 JB March 22, 1978 9:03 PM
.X
16 5 16
16 5 16
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39 5 16
16 6 16
J 17
.T
On Programming of Arithmetic Operations
.B
CACM August, 1958
.A
Ershov, A. P.
.N
CA580801 JB March 22, 1978 9:04 PM
.X
1134 5 17
17 5 17
17 5 17
17 5 17
83 5 17
17 6 17
17 6 17
77 6 17
408 6 17
J 18
.T
Simple Automatic Coding Systems
.B
CACM July, 1958
.A
Adams, E. S.
Schlesinger, S. I.
.N
CA580701 JB March 22, 1978 9:06 PM
.X
18 5 18
18 5 18
18 5 18
J 19

.T
Glossary of Computer Engineering and Programming Terminology

.B
CACM June, 1958

.N
CA580603 JB March 22, 1978 9:07 PM

.X
19 5 19
19 5 19
19 5 19

.I 20

.T
Accelerating Convergence of Iterative Processes

.W
A technique is discussed which, when applied to an iterative procedure for the solution of an equation, accelerates the rate of convergence if the iteration converges and induces convergence if the iteration diverges. An illustrative example is given.

.B
CACM June, 1958

.A
Wegstein, J. H.

.N
CA580602 JB March 22, 1978 9:09 PM

.X
20 5 20
20 5 20
20 5 20

.I 21

.T
Algebraic Formulation of Flow Diagrams

.B
CACM June, 1958

.A
Voorhees, E. A.

.N
CA580601 JB March 22, 1978 9:10 PM

.X
21 5 21
21 5 21
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679 5 21
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407 6 21

General Purpose Programming Systems

.B
CACM May, 1958

.A
Holt, A. W.

.N
CA580503 JB March 22, 1978 9:14 PM

.X
25 5 25
25 5 25
25 5 25

.I 26

.T
A Subroutine Method for Calculating Logarithms

.B
CACM May, 1958

.A
Bemer, R. W.

.N
CA580502 JB March 22, 1978 9:16 PM

.X
26 5 26
26 5 26
26 5 26
848 5 26
26 6 26
35 6 26

.I 27

.T
Note On Empirical Bounds For Generating Bessel Functions

.B
CACM May, 1958

.A
Randels, J. B.

Reeves, R. F.

.N
CA580501 JB March 22, 1978 9:17 PM

.X
27 5 27
27 5 27
27 5 27

.I 28

.T
Request for Methods or Programs

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3184 6 21
.I 22

.T
Unusual Applications Department--Automatic Implementation of Computer Logic

.B
CACM May, 1958

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Morris, E. F.
Wohr, T. E.

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CA580506 JB March 22, 1978 9:11 PM

.X
22 5 22
22 5 22
22 5 22

.I 23

.T
Binary and Truth-Function Operations on a Decimal Computer with an Extract Command

.B
CACM May, 1958

.A
Kautz, W. H.

.N
CA580505 JB March 22, 1978 9:12 PM

.X
23 5 23
23 5 23
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.I 24

.T
An Improved Decimal Redundancy Check

.B
CACM May, 1958

.A
Sisson, R. L.

.N
CA580504 JB March 22, 1978 9:13 PM

.X
24 5 24
24 5 24
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.I 25

.T

CACM April, 1958

.A
Corley, H. P. T.

.N
CA580402 JB March 22, 1978 9:18 PM

.X
28 5 28
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.I 29

.T
Need for an Algorithm

.B
CACM April, 1958

.A
Selden, W.

.N
CA580401 JB March 22, 1978 9:19 PM

.X
29 5 29
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.I 30

.T
Algorithm for Analyzing Logical Statements to Produce a Truth Function Table

.B
CACM March, 1958

.A
Wolpe, H.

.N
CA580302 JB March 22, 1978 9:20 PM

.X
30 5 30
30 5 30
30 5 30

.I 31

.T
IBM 704 Code-Numbers

.B
CACM March, 1958

.A
Grumete, M.

.N
CA580301 JB March 22, 1978 9:21 PM

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