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Date (for IFW TOC):
(Date sent to IFW scanning)

6/27/2025

Patent Number 9097784

Issued:

Application No.: 14518868

REVIEW CHECKLIST FOR ISSUANCE OF AIA TRIAL CERTIFICATE

Case Number IPR2023-01213

Petition Filing Date: 8/9/2023

The results of

IPR2023-01213 filed 8/9/23

[Insert proceeding no(s), and filing date(s) and indicate if joined or consolidated]

are reflected in this:

☒ INTER PARTES REVIEW (IPR) CERTIFICATE UNDER 35 U.S.C. 318(b).

[Kind Code K]

☐ POST GRANT REVIEW (PGR) CERTIFICATE UNDER 35 U.S.C. 328(b).

[Kind Code J]

☐ DERIVATION (DER) CERTIFICATE UNDER 35 U.S.C. 135(d).

[Kind Code O]

BIBLIOGRAPHIC DATA:

Abstract of Title of Patent Attached:

☒ Yes

☐ No

* If no Abstract of Title available, then Front Page of Patent and
and Certificate of Corrections and/or Reexamination Certificates

☐ Yes

☒ No **

**NOTE: If "No" to both, then Trial Reviewer please complete the following;

Title:

Inventor(s):

Applicants (complete only if original patent application was filed on or after Sep 16, 2012):

Assignee(s):

Patent No: 9097784

Issued:

Application No: 14518868

Filed:

Doc Code: TRIAL.CERT

Patent Number 9097784

Issued:

Date (for IFW TOC):
(Date sent to IFW scanning)

6/27/2025

Application No.: 14518868

TRIAL CERTIFICATE WILL INDICATE THE FOLLOWING:

a. Change in Specification:

☐ Yes
☒ No

If "Yes" ☐ Substitution(s) to Column No(s) are attached.(Please enter column and line nos.)

b. Change in Drawings:

☐ Yes ☒ No

If "Yes" ☐ Substitution(s) to Figure No(s)

are attached.

c. Status of the claims (list each claim only once):

☐ Patent Claims Found Patentable

☒ Patent Claims Cancelled 1, 2, 10, 12, 13, 21 and 22

☐ Substitute Claims

☐ Substitute Claims attached.

☐ Patent Claims Disclaimed:

d. Other Changes: Trial Reviewer please enter the Patent Owner Motion to Amend and [date filed] containing the approved change, and either enter the change below or attach a copy of the approved change to this checklist.

Only changes approved for entry by the Trial Judge are to be included.

☐ Title

☐ Inventors

Applicants (complete if original patent application was filed on or after Sep. 16, 2012):

☐ Applicant

☐ Assignee

☐ Abstract

☐ Substitute Abstract attached.

Patent Assignment Abstract of Title

Total Assignments: 20

Application #: [14518868](#)

Filing Dt: 10/20/2014

Patent #: [9097784](#)

Issue Dt: 08/04/2015

PCT #: NONE

Intl Reg #:

Publication #: [US20150038167](#)

Pub Dt: 02/05/2015

Inventors: Martin Alles, John Carlson, George Maher, Selcuk Mazlum

Title: SYSTEM AND METHOD TO COLLECT AND MODIFY CALIBRATION DATA

Assignment: 1

Reel/Frame: [054317 / 0404](#)

Received: 11/09/2020

Recorded: 11/09/2020

Mailed: 11/10/2020

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: [ALLES, MARTIN](#)

Exec Dt: 04/01/2008

[CARLSON, JOHN](#)

Exec Dt: 04/04/2008

[MAHER, GEORGE](#)

Exec Dt: 03/31/2008

[MAZLUM, SELCUK](#)

Exec Dt: 03/31/2008

Assignee: [COMMSCOPE, INC. OF NORTH CAROLINA](#)

1100 COMMSCOPE PLACE SE

HICKORY, NORTH CAROLINA 28602

Correspondent: FOGG & POWERS LLC

4600 W. 77TH STREET

SUITE 305

MINNEAPOLIS, MN 55435

Assignment: 2

Reel/Frame: [035178 / 0442](#)

Received: 03/11/2015

Recorded: 03/11/2015

Mailed: 03/18/2015

Pages: 4

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: [ANDREW LLC](#)

Exec Dt: 03/01/2015

Assignee: [COMMSCOPE TECHNOLOGIES LLC](#)

1100 COMMSCOPE PLACE SE

HICKORY, NORTH CAROLINA 28602

Correspondent: LAURA J THOMAS

1100 COMMSCOPE PLACE SE

HICKORY, NC 28602

Assignment: 3

Reel/Frame: [036201 / 0283](#)

Received: 07/28/2015

Recorded: 07/28/2015

Mailed: 07/30/2015

Pages: 96

Conveyance: SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: [ALLEN TELECOM LLC](#)

Exec Dt: 06/11/2015

[COMMSCOPE TECHNOLOGIES LLC](#)

Exec Dt: 06/11/2015

[COMMSCOPE, INC. OF NORTH CAROLINA](#)

Exec Dt: 06/11/2015

[REDWOOD SYSTEMS, INC.](#)

Exec Dt: 06/11/2015

Assignee: [WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT](#)

246 GOOSE LANE

SUITE 105

GUILFORD, CONNECTICUT 06437

Correspondent: LINDA M. NYBERG, ESQ.

SIMPSON THACHER & BARTLETT LLP

2475 HANOVER STREET

PALO ALTO, CA 94304

Assignment: 4

Reel/Frame: [037513 / 0709](#)

Received: 01/13/2016

Recorded: 01/13/2016

Mailed: 01/20/2016

Pages: 165

Conveyance: PATENT SECURITY AGREEMENT (TERM)

Assignor: [COMMSCOPE TECHNOLOGIES LLC](#)

Exec Dt: 12/20/2015

Assignee: [JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT](#)

10 S. DEARBORN, 7TH FLOOR

CHICAGO, ILLINOIS 60603

Correspondent: LATHAM & WATKINS LLP

650 TOWN CENTER DRIVE, SUITE 2000

COSTA MESA, CA 92626

Assignment: 5

Reel/Frame: [037514 / 0196](#) **Received:** 01/13/2016 **Recorded:** 01/13/2016 **Mailed:** 01/20/2016 **Pages:** 182

Conveyance: PATENT SECURITY AGREEMENT (ABL)

Assignor: [COMMSCOPE TECHNOLOGIES LLC](#)

Exec Dt: 12/20/2015

Assignee: [JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT](#)
10 S. DEARBORN, 7TH FLOOR
CHICAGO, ILLINOIS 60603

Correspondent: LATHAM & WATKINS LLP
650 TOWN CENTER DRIVE, SUITE 2000
COSTA MESA, CA 92626

Assignment: 6

Reel/Frame: [042126 / 0434](#) **Received:** 03/31/2017 **Recorded:** 03/31/2017 **Mailed:** 04/27/2017 **Pages:** 95

Conveyance: RELEASE OF SECURITY INTEREST PATENTS (RELEASES RF 036201/0283)

Assignor: [WILMINGTON TRUST, NATIONAL ASSOCIATION](#)

Exec Dt: 03/17/2017

Assignees: [ALLEN TELECOM LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE TECHNOLOGIES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE, INC. OF NORTH CAROLINA](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[REDWOOD SYSTEMS, INC.](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: LATHAM & WATKINS LLP
650 TOWN CENTER DRIVE, SUITE 2000
COSTA MESA, CA 92626

Assignment: 7

Reel/Frame: [048840 / 0001](#) **Received:** 04/09/2019 **Recorded:** 04/09/2019 **Mailed:** 04/12/2019 **Pages:** 535

Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignor: [JPMORGAN CHASE BANK, N.A.](#)

Exec Dt: 04/04/2019

Assignees: [REDWOOD SYSTEMS, INC.](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[ALLEN TELECOM LLC](#)
THREE WESTBROOK CORPORATE CENTER
SUITE 900
WESTCHESTER, ILLINOIS 60154
[ANDREW LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE, INC. OF NORTH CAROLINA](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE TECHNOLOGIES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 8

Reel/Frame: [049260 / 0001](#) **Received:** 04/09/2019 **Recorded:** 04/09/2019 **Mailed:** 05/23/2019 **Pages:** 445

Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignor: [JPMORGAN CHASE BANK, N.A.](#)

Exec Dt: 04/04/2019

Assignees: [REDWOOD SYSTEMS, INC.](#)
1100 COMMSCOPE PLACE SE

HICKORY, NORTH CAROLINA 28602
[ALLEN TELECOM LLC](#)
THREE WESTBROOK CORPORATE CENTER
SUITE 900
WESTCHESTER, ILLINOIS 60154
[ANDREW LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE, INC. OF NORTH CAROLINA](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE TECHNOLOGIES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 9

Reel/Frame: [049892 / 0396](#) **Received:** 07/03/2019 **Recorded:** 07/03/2019 **Mailed:** 07/30/2019 **Pages:** 312

Conveyance: ABL SECURITY AGREEMENT

Assignors: [COMMSCOPE, INC. OF NORTH CAROLINA](#)
[COMMSCOPE TECHNOLOGIES LLC](#)
[ARRIS ENTERPRISES LLC](#)
[ARRIS TECHNOLOGY, INC.](#)
[RUCKUS WIRELESS, INC.](#)
[ARRIS SOLUTIONS, INC.](#)

Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019

Assignee: [JPMORGAN CHASE BANK, N.A.](#)
4 CHASE METROTECH CENTER
MC: NY1-C413
BROOKLYN, NEW YORK 11245-0001

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 10

Reel/Frame: [049905 / 0504](#) **Received:** 07/03/2019 **Recorded:** 07/03/2019 **Mailed:** 07/31/2019 **Pages:** 312

Conveyance: TERM LOAN SECURITY AGREEMENT

Assignors: [COMMSCOPE, INC. OF NORTH CAROLINA](#)
[COMMSCOPE TECHNOLOGIES LLC](#)
[ARRIS ENTERPRISES LLC](#)
[ARRIS TECHNOLOGY, INC.](#)
[RUCKUS WIRELESS, INC.](#)
[ARRIS SOLUTIONS, INC.](#)

Exec Dt: 04/04/2019
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Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019
Exec Dt: 04/04/2019

Assignee: [JPMORGAN CHASE BANK, N.A.](#)
4 CHASE METROTECH CENTER
MC: NY1-C413
BROOKLYN, NEW YORK 11245-0001

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 11

Reel/Frame: [049892 / 0051](#) **Received:** 07/03/2019 **Recorded:** 07/03/2019 **Mailed:** 07/30/2019 **Pages:** 232

Conveyance: PATENT SECURITY AGREEMENT

Assignor: [COMMSCOPE TECHNOLOGIES LLC](#)

Exec Dt: 04/04/2019

Assignee: [WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT](#)

246 GOOSE LANE, SUITE 105
GUILFORD, CONNECTICUT 06437

Correspondent: LATHAM & WATKINS LLP
650 TOWN CENTER DRIVE, SUITE 2000
COSTA MESA, CA 92626

Assignment: 12

Reel/Frame: [060752 / 0001](#) **Received:** 11/19/2021 **Recorded:** 11/19/2021 **Mailed:** 08/10/2022 **Pages:** 381

Conveyance: SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: [ARRIS SOLUTIONS, INC.](#)
[ARRIS ENTERPRISES LLC](#)
[COMMSCOPE TECHNOLOGIES LLC](#)
[COMMSCOPE, INC. OF NORTH CAROLINA](#)
[RUCKUS WIRELESS, INC.](#)

Exec Dt: 11/15/2021
Exec Dt: 11/15/2021
Exec Dt: 11/15/2021
Exec Dt: 11/15/2021
Exec Dt: 11/15/2021

Assignee: [WILMINGTON TRUST](#)
1100 N. MARKET STREET
WILMINGTON, DELAWARE 19890

Correspondent: THOMAS J. BUETTNER
LATHAM & WATKINS LLP
330 NORTH WABASH AVENUE, SUITE 2800
CHICAGO, IL 60611

Assignment: 13

Reel/Frame: [060495 / 0033](#) **Received:** 07/13/2022 **Recorded:** 07/13/2022 **Mailed:** 07/17/2022 **Pages:** 6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: [COMMSCOPE, INC. OF NORTH CAROLINA](#)

Exec Dt: 06/28/2022

Assignee: [BISON PATENT LICENSING, LLC](#)
5282 FOREST SPRINGS DRIVE
ATLANTA, GEORGIA 30338

Correspondent: IAN D. MACKINNON
312 SOUTH THIRD STREET
MINNEAPOLIS, MN 55415

Assignment: 14

Reel/Frame: [060671 / 0324](#) **Received:** 07/15/2022 **Recorded:** 07/15/2022 **Mailed:** 08/01/2022 **Pages:** 48

Conveyance: PARTIAL TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

Assignor: [WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT](#)

Exec Dt: 07/11/2022

Assignees: [COMMSCOPE TECHNOLOGIES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[ARRIS ENTERPRISES LLC](#)
101 TOURNAMENT DRIVE
HORSHAM, PENNSYLVANIA 19044
[COMMSCOPE, INC. OF NORTH CAROLINA](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: LATHAM & WATKINS LLP
650 TOWN CENTER DRIVE, SUITE 2000
COSTA MESA, CA 92626

Assignment: 15

Reel/Frame: [060649 / 0286](#) **Received:** 07/13/2022 **Recorded:** 07/13/2022 **Mailed:** 07/29/2022 **Pages:** 19

Conveyance: PARTIAL RELEASE OF TERM LOAN SECURITY INTEREST

Assignor: [JPMORGAN CHASE BANK, N.A.](#)

Exec Dt: 07/12/2022

Assignees: [COMMSCOPE TECHNOLOGIES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[ARRIS ENTERPRISES LLC](#)
1100 COMMSCOPE PLACE SE
HICKORY, NORTH CAROLINA 28602
[COMMSCOPE, INC. OF NORTH CAROLINA](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 16

Reel/Frame: [060649 / 0305](#) **Received:** 07/13/2022 **Recorded:** 07/13/2022 **Mailed:** 07/29/2022 **Pages:** 19

Conveyance: PARTIAL RELEASE OF ABL SECURITY INTEREST

Assignor: [JPMORGAN CHASE BANK, N.A.](#)

Exec Dt: 07/12/2022

Assignees: [COMMScope TECHNOLOGIES LLC](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

[ARRIS ENTERPRISES LLC](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

[COMMScope, INC. OF NORTH CAROLINA](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

Correspondent: CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignment: 17

Reel/Frame: [061493 / 0806](#) **Received:** 10/21/2022 **Recorded:** 10/21/2022 **Mailed:** 10/24/2022 **Pages:** 10

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: [BISON PATENT LICENSING, LLC](#)

Exec Dt: 10/10/2022

Assignee: [GEOSCOPE TECHNOLOGIES PTE. LTD.](#)

160 ROBINSON ROAD, #24-09
SINGAPORE, SINGAPORE 068914

Correspondent: JEFFREY MANN
180 MAIDEN LANE, 38TH FLOOR
NEW YORK, NY 10038-4982

Assignment: 18

Reel/Frame: [063270 / 0220](#) **Received:** 04/07/2023 **Recorded:** 04/07/2023 **Mailed:** 04/11/2023 **Pages:** 47

Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignor: [WILMINGTON TRUST, NATIONAL ASSOCIATION](#)

Exec Dt: 11/16/2022

Assignees: [COMMScope TECHNOLOGIES LLC](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

[COMMScope, INC. OF NORTH CAROLINA](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

[ARRIS ENTERPRISES LLC](#)

3871 LAKEFIELD DRIVE
SUWANEE, GEORGIA 30024

Correspondent: IAN D. MACKINNON
312 SOUTH THIRD STREET
MINNEAPOLIS, MN 55415

Assignment: 19

Reel/Frame: [063322 / 0209](#) **Received:** 04/13/2023 **Recorded:** 04/13/2023 **Mailed:** 04/17/2023 **Pages:** 46

Conveyance: PARTIAL TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS RECORDED AT R/F 060752/0001

Assignor: [WILMINGTON TRUST](#)

Exec Dt: 11/16/2022

Assignees: [COMMScope TECHNOLOGIES LLC](#)

1100 COMMScope PLACE SE
HICKORY, NORTH CAROLINA 28602

[COMMScope, INC. OF NORTH CAROLINA](#)

1100 COMMScope PLACE SE

HICKORY, NORTH CAROLINA 28602

[ARRIS ENTERPRISES LLC](#)

3871 LAKEFIELD DRIVE

SUWANEE, GEORGIA 30024

Correspondent: THOMAS J. BUETTNER
LATHAM & WATKINS LLP
330 NORTH WABASH AVENUE, SUITE 2800
CHICAGO, IL 60611

Assignment: 20

Reel/Frame: [071477 / 0255](#) **Received:** 12/19/2024 **Recorded:** 12/19/2024 **Mailed:** 06/24/2025 **Pages:** 316

Conveyance: RELEASE OF SECURITY INTEREST AT REEL/FRAME 049905/0504

Assignor: [JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT](#)

Exec Dt: 12/17/2024

Assignees: [ARRIS ENTERPRISES LLC \(F/K/A ARRIS ENTERPRISES, INC.\)](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

[ARRIS TECHNOLOGY, INC.](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

[ARRIS SOLUTIONS, INC.](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

[COMMSCOPE, INC. OF NORTH CAROLINA](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

[COMMSCOPE TECHNOLOGIES LLC](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

[RUCKUS WIRELESS, LLC \(F/K/A RUCKUS WIRELESS, INC.\)](#)

3642 E. US HIGHWAY 70

CLAREMONT, NORTH CAROLINA 28610

Correspondent: MICHAEL VIOLET
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Search Results as of: 06/27/2025 01:03 PM