Kristine L. Butler
Volpe and Koenig, P.C.
One Palmer Square, Suite 315
Princeton, New Jersey 08542
Phone: (609) 924-7900
Fax: (609) 924-7902

Michael F. Snyder
Ryan W. O'Donnell
Volpe and Koenig, P.C.
United Plaza
30 South 17th Street
Philadelphia, Pennsylvania 19103
Phone: (215) 568-6400
Fax: (215) 568-6499

Attorneys for Plaintiffs Telecommunications Research Laboratories d/b/a TR Labs and TR Technologies, Inc.

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NEW JERSEY

TELECOMMUNICATIONS RESEARCH LABORATORIES d/b/a TR LABS, Canadian Not For Profit Corporation, and TR TECHNOLOGIES, INC., a Canadian Corporation, Plaintiffs, v. CSC HOLDINGS, LLC, a Delaware Corporation, Defendants.	Civil Action No.: 3:12-cv-6830-PGS-DEA JURY TRIAL DEMANDED ELECTRONICALLY FILED

AMENDED COMPLAINT

The plaintiffs, Telecommunications Research Laboratories, formerly known as Alberta Telecommunications Research Centre, and doing business as TR Labs ("TR Labs"), and TR Technologies, Inc. ("TR Tech") (collectively "plaintiffs") allege in this matter as follows:

FACTUAL BACKGROUND

Plaintiffs

1. TR Labs is Canada's largest non-profit research consortium with its membership including universities, companies, and government agencies. TR Labs has offices throughout western Canada, and its principal place of business is 9107 116th Street, Edmonton, Alberta, Canada T6G 2V4.

2. Among TR Labs' members is the University of Alberta in Edmonton, Canada.

3. TR Tech is the exclusive licensee of the patents owned by TR Labs.

The TR Labs Patents

4. TR Labs is the owner by assignment of U.S. Patent No. 6,914,880, entitled *Protection of routers in a telecommunications network* ("the '880 patent"), U.S. Patent No. 6,421,349, entitled *Distributed preconfiguration of spare capacity in closed paths for network restoration* ("the '349 patent), U.S. Patent No. 7,260,059, entitled *Evolution of a telecommunications network from ring to mesh structure* ("the '059 patent"), U.S. Patent No. 6,404,734, entitled *Scalable network restoration device* ("the '734 patent"), U.S. Patent No. 5,850,505 entitled *Method for preconfiguring a network to withstand anticipated failures* ("the '505 patent"), U.S. Patent No. 6,377,543 entitled *Path restoration of networks* ("the '543 patent"), and

U.S. Patent No. 6,654,379 ("the '379 patent") entitled *Integrated ring-mesh network* (collectively "the TR Labs patents") (attached as Exhibits A-G).

5. The '880 patent issued on July 5, 2005 based upon an application filed on May 19, 1999. The '349 patent issued on July 16, 2002 from an application filed on July 11, 1997. The '059 patent issued on August 21, 2007 from an application filed on June 28, 2002. The '734 patent issued on June 11, 2002 from an application filed on October 6, 1998. The '505 patent issued on December 15, 1998 based upon an application filed on November 1, 1995. The '543 patent issued on April 23, 2002 based upon an application filed on October 20, 1997. The '379 patent issued on November 25, 2003 based upon an application filed on October 7, 1999.

Dr. Wayne Grover

6. The first named inventor on the TR Labs patents is TR Labs' former Chief Scientist in Network Systems Research, Dr. Wayne D. Grover.

7. In addition to his position at TR Labs, Dr. Grover was a Professor in the Department of Electrical and Computer Engineering at the University of Alberta in Edmonton, Canada.

8. Dr. Grover is a Fellow of the Institute of Electronic and Electrical Engineers ("IEEE"), a title conferred on those engineers who have demonstrated outstanding proficiency and have achieved distinction in their profession. He is also a Fellow of the Engineering Institute of Canada, a title awarded by that organization for similar scientific achievement.

9. Among his numerous awards, in 2001-2002, the Natural Science and Engineering Research Council of Canada named Dr. Grover an E.W.R Steacie Fellow, which recognizes highly promising scientists and engineers who are faculty members of Canadian universities. Dr. Grover was awarded the IEEE's 1999 W.R.G. Baker Prize Paper award for the most outstanding paper reporting original work in an IEEE publication, and that same year was named Canada's Outstanding Engineer in Canada by the IEEE.

CSC Holdings, LLC

10. Defendant CSC Holdings, LLC ("CSC") is a Delaware corporation, and, through its subsidiary, Cablevision Lightpath, Inc. ("Lightpath"), maintains a regular place of business at 2909 Washington Road #60, Parlin, New Jersey 08859.

11. CSC, through Lightpath, operates and/or employs, either directly or indirectly, mesh telecommunications networks in the United States.

12. CSC, through Lightpath, operates and/or employs, or has operated or employed, either directly or indirectly, ring telecommunications networks that have been converted to mesh telecommunication networks in the United States.

13. The mesh telecommunications networks operated and/or employed by CSC, through Lightpath, have deployed SONET add-drop multiplexers, reconfigurable optical add-drop multiplexers, multiservice optical switches, and/or multi-protocol label switching routers for the purpose of transmitting voice and data traffic.

14. The mesh telecommunications networks operated and/or employed by CSC, through LightPath, utilize the functionality of the afore-referenced devices in a

manner designed to restore the flow of voice and data traffic in the event of the failure of a node, circuit, or path during the normal operation of such networks.

15. The mesh telecommunications networks operated and/or employed by CSC, through Lightpath, are designed to, and do, interconnect with one another for the transmission of voice and data traffic both when such networks are in normal operation mode, and when there is a failure of a node, circuit, span or path in such networks

16. The mesh telecommunications networks and networks converted from ring to mesh networks operated by CSC, through Lightpath, infringe the claims of the TR Labs patents in violation of 35 U.S.C. § 271.

JURISDICTION, VENUE AND JOINDER

17. CSC, at all relevant times, has been doing business in this Judicial District itself and through Lightpath.

18. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).

19. Venue is proper in this Judicial District pursuant to 28 U.S.C. § 1400(b).

20. CSC, through Lightpath, utilizes the afore-referenced equipment in infringing the patents in suit, making this matter arising out of the same transaction, occurrence, or series of transactions or occurrences, and making joinder of the parties in this matter proper pursuant to 35 U.S.C. § 299(a).

COUNT I – PATENT INFRINGEMENT

21. The plaintiffs incorporate by reference paragraphs 1-20, above.

22. CSC, through Lightpath, directly infringes the claims of the TR Labs patents by operating, either directly or indirectly, mesh telecommunications networks that are covered by such claims in violation of 35 U.S.C. § 271.

23. The plaintiffs are injured by CSC's infringement.

PRAYERS FOR RELIEF

WHEREFORE, the plaintiffs respectfully request that this Court:

a) Find that CSC infringes the TR Labs patents;

b) Order CSC to pay the plaintiffs damages equal to no less than a reasonable royalty to compensate for the infringement of the TR Labs patents pursuant to 35 U.S.C. § 284;

c) Order CSC to pay the plaintiffs prejudgment interest; and

d) Award whatever additional relief the Court finds just and equitable.

Respectfully submitted,

Date: December 13, 2012

s/Kristine L. Butler

Kristine L. Butler, Esquire
VOLPE AND KOENIG, P.C.
One Palmer Square
Suite 315
Princeton, New Jersey 08542
Phone: (609) 924-7900
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Fax: (215) 568-6499

Attorneys for Plaintiffs
Telecommunications Research
Laboratories d/b/a TR Labs
and TR Technologies, Inc.

OF COUNSEL:

George C. Summerfield
STADHEIM & GREAR
400 North Michigan Avenue
Suite 2200
Chicago, Illinois 60611
Tel: (312) 755-4400
Fax: (312) 755-4408
summerfield@stadheimgrear.com

JURY DEMAND

Plaintiffs hereby demand a trial by jury on all issues so triable.

Respectfully submitted,

Date: December 13, 2012

s/Kristine L. Butler
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