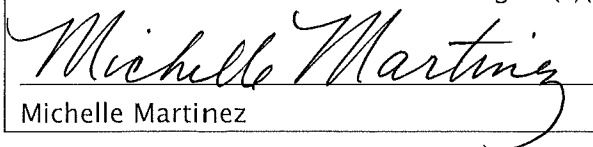


CERTIFICATION UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence and any attachment thereto are being transmitted to the United States Patent and Trademark Office via the Electronic Filing System of the U.S. Patent and Trademark Office under 37 CFR §1.6(a)(4) on the date indicated below.


Michelle Martinez

6-27-14
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 13/653,095 Confirmation No.: 3288
Applicant(s): Donald Andrew Burris
Filed: 10/16/2012
Art Unit: 2833
Examiner: Jean Duverne
Title: COAXIAL CABLE CONNECTOR WITH INTEGRAL RFI PROTECTION

Docket No.: HI12-117
Customer No.: 21495

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY PURSUANT TO
37 CFR § 1.111

Sir:

In response to the Office Action mailed February 28, 2014, please find enclosed Applicant's reply:

Amendments to the Claims are reflected in the listing of claims beginning on page 2.

Remarks begin on page 7 of this paper.

PPC Exhibit 2022
Corning v. PPC
IPR2016-01569

In the Claims:

1. (Currently Amended) A coaxial cable connector for coupling an end of a coaxial cable to a terminal, the coaxial cable comprising an inner conductor, a dielectric surrounding the inner conductor, an outer conductor surrounding the dielectric, and a jacket surrounding the outer conductor, the connector comprising:

a coupler adapted to couple the connector to the terminal;

a body assembled with the coupler, and

a post assembled with the coupler and the body, wherein the post is adapted to receive an end of a coaxial cable, and

wherein the coupler and post provide RF shielding such that RF signals external to the coaxial cable connector are attenuated such that the integrity of an electrical signal transmitted through coaxial cable connector is maintained regardless of the tightness of the coupling of the connector to the terminal, and without a separate continuity member.

2. (Original) The coaxial cable connector of claim 1, wherein RF signals are attenuated by at least about 50dB in a range up to about 1000MHz.

3. (Original) The coaxial cable connector of claim 1, wherein a transfer impedance measured from the outer conductor of the coaxial cable to the terminal through the connector averages less than about 0.24 ohms.

4. (Original) The coaxial cable connector of claim 1, wherein the RF signals external to the connector comprise RF signals that ingress into the connector.

5. (Original) The coaxial cable connector of claim 1, wherein the RF signals external to the connector comprise RF signals that egress out from the connector.

6. (Original) The coaxial cable connector of claim 1, wherein the coupler comprises,
a step, and
a lip,

and wherein the post comprises,

- a flange,
- a contacting portion
- and a shoulder.

7. (Original) The coaxial cable connector of claim 6, wherein a first circuitous path is established by at least one of the step, the lip, the flange, the contacting portion and the shoulder, and wherein the first circuitous path attenuates of RF signals external to the connector.

8. (Original) The coaxial cable connector of claim 6, wherein the contacting portion is integral and monolithic with at least a portion of the post.

9. (Original) The coaxial cable connector of claim 1, wherein the terminal comprises an equipment connection port, and wherein the coupler comprises a threaded portion adapted to connect with a threaded portion of the equipment connection port, and wherein at least one thread on the coupler has a pitch angle different than a pitch angle of at least one thread of the equipment connection port.

10. (Original) The coaxial cable connector of claim 9, wherein the pitch angle of the thread of the coupler is about 2 degrees different than the pitch angle of the thread of the equipment connection port.

11. (Original) The coaxial cable connector of claim 9, wherein the pitch angle of the thread of the coupler is about 62 degrees, and the pitch angle of the thread of the equipment connection port is about 60 degrees.

12. (Original) The coaxial cable connector of claim 9, wherein the threaded portion of the coupler and the threaded portion of the equipment connection port, establish a second circuitous path, and wherein the second circuitous path attenuates RF signals external to the connector.

13. (Currently Amended) A coaxial cable connector for coupling an end of a coaxial cable to an equipment connection port, the coaxial cable comprising an inner conductor, a dielectric surrounding the inner conductor, an outer conductor surrounding the dielectric, and a jacket surrounding the outer conductor, the connector comprising:

a coupler adapted to couple the connector to the equipment connection port;

a body assembled with the coupler, and

a post assembled with the coupler and the body, wherein the post is adapted to receive an end of a coaxial cable, and wherein the post comprises an integral contacting portion, and wherein the contacting portion is monolithic with at least a portion of the post, and

wherein when assembled the coupler and post provide at least one circuitous path resulting in RF shielding such that RF signals external to the coaxial cable connector are attenuated, such that the integrity of an electrical signal transmitted through coaxial cable connector is maintained regardless of the tightness of the coupling of the connector to the terminal and without a separate continuity member.

14. (Original) The coaxial cable connector of claim 13, wherein RF signals external to the coaxial connector comprise at least one of RF signals that ingress into the connector and RF signals that egress out from the connector.

15. (Original) The coaxial cable connector of claim 13, wherein RF signals are attenuated by at least about 50dB in a range up to about 1000MHz.

16. (Original) The coaxial cable connector of claim 13, wherein a transfer impedance averages about 0.24 ohms.

17. (Original) The coaxial cable connector of claim 13, wherein the at least one circuitous path comprises a first circuitous path and a second circuitous path.

18. (Original) The coaxial cable connector of claim 17, wherein the coupler comprises a lip and a step, and the post comprises a flange and a shoulder, and wherein the first circuitous path is established by at least one of the step, the lip, the flange, the contacting portion and the shoulder.

19. (Original) The coaxial cable connector of claim 17, wherein the terminal comprises an equipment connection port, and wherein the coupler comprises a threaded portion adapted to connect with a threaded portion of the equipment connection port, and wherein the threaded portion of the coupler and the threaded portion of the equipment connection port establish a second circuitous path.

20. (Original) The coaxial cable connector of claim 19, wherein at least one thread on the coupler has a pitch angle different than a pitch angle of at least one thread of the equipment connection port.

21. (Currently Amended) A coaxial cable connector for coupling an end of a coaxial cable to an equipment connection port, the coaxial cable comprising an inner conductor, a dielectric surrounding the inner conductor, an outer conductor surrounding the dielectric, and a jacket surrounding the outer conductor, the connector comprising:

a coupler adapted to couple the connector to the equipment connection port, wherein the coupler has a step, and wherein the coupler comprises a threaded portion adapted to connect with a threaded portion of the equipment connection port, and wherein at least one thread on the coupler has a pitch angle different than a pitch angle of at least one thread of the equipment connection port;

a body assembled with the coupler;

a post assembled with the coupler and the body, wherein the post comprises a flange, a contacting portion and a shoulder, and wherein the post is adapted to receive an end of a coaxial cable, and wherein the contacting portion is integral and monolithic with at least a portion of the post, and

wherein a first circuitous path is established by the a step, the flange, the contacting portion and the shoulder, and wherein a second circuitous path is established by the threaded portion of the coupler and the threaded portion of the equipment connection port, and wherein the first circuitous path and the second circuitous path provide for RF shielding of the assembled coaxial cable connector such that RF signals external to the coaxial cable connector are attenuated by at least

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