US 20170292275A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2017/0292275 A1

TAYLIA (43) Pub. Date: Oct. 12, 2017

(54) **FRICTION FIT COLUMN ASSEMBLY WITH INTERLOCKING JOINT SYSTEM AND METHODS OF USE**

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(21) Appl. No.: **15/481,309**

(22) Filed: **Apr. 6, 2017**

**Related U.S. Application Data**

(60) Provisional application No. 62/318,812, filed on Apr. 6, 2016.

**Publication Classification**

(51) **Int. Cl.**

***E04F 13/08*** (2006.01)

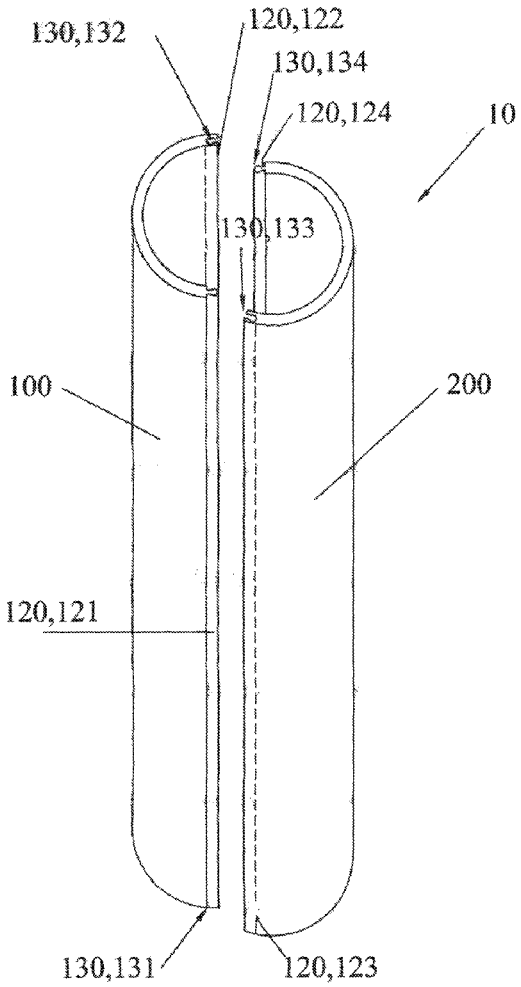
***E04F 13/073*** (2006.01)

(52) **U.S. Cl.**

CPC ..... ***E04F 13/0889*** (2013.01); ***E04F 13/0736*** (2013.01); *E04F 2201/02* (2013.01)

(57) **ABSTRACT**

A column assembly includes a two or more piece interlocking column assembly having at least a first linear section configured with an annular curve about a first short dimension, said at least first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein said first set of opposing edges are configured with a first opposing male/female latch mechanism; and at least a second linear section configured with said annular curve about a second short dimension, said at least second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein said second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein said first opposing male/female latch mechanism and said second opposing male/female latch mechanism are configured to friction fit thereto each other.



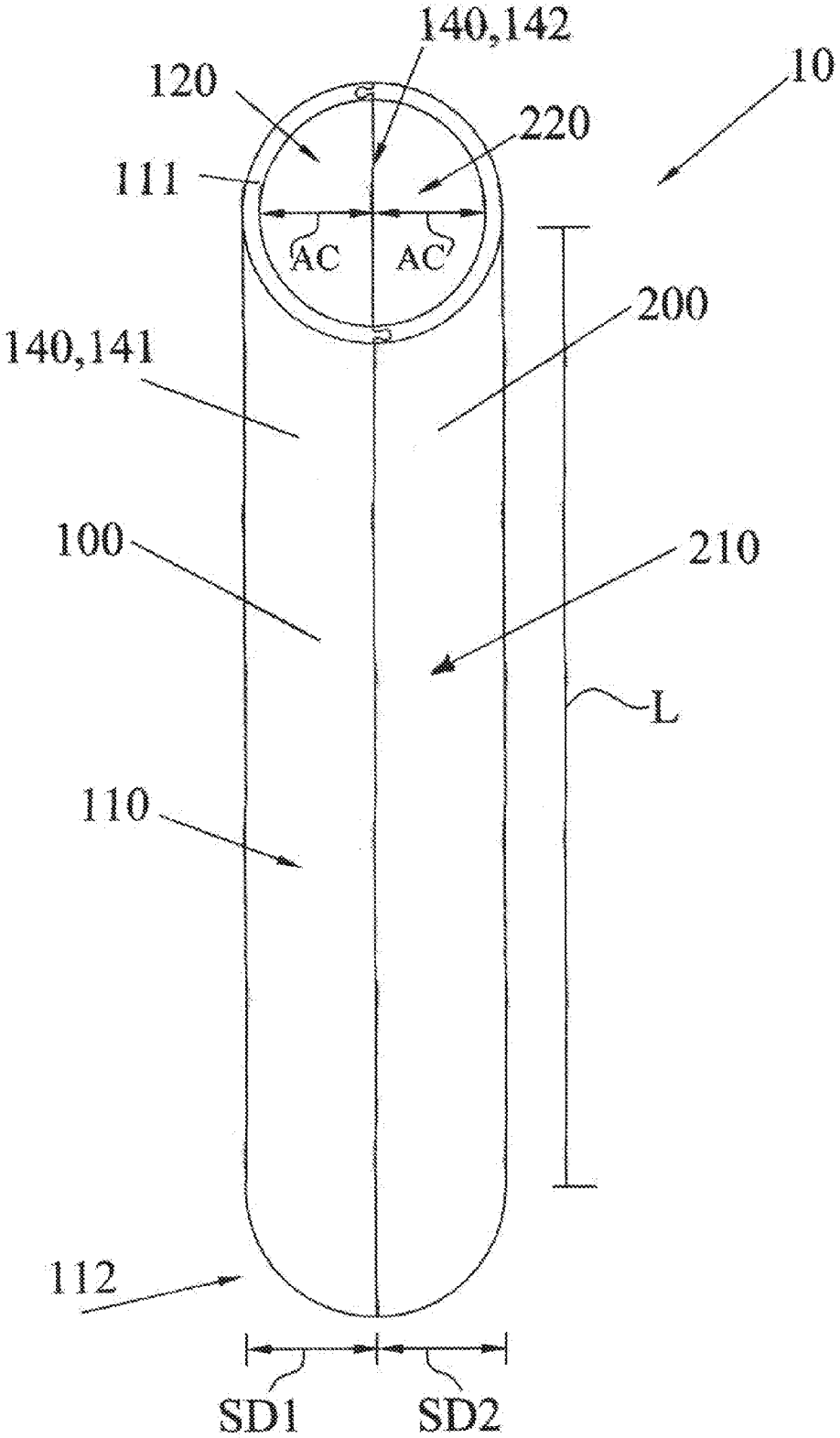
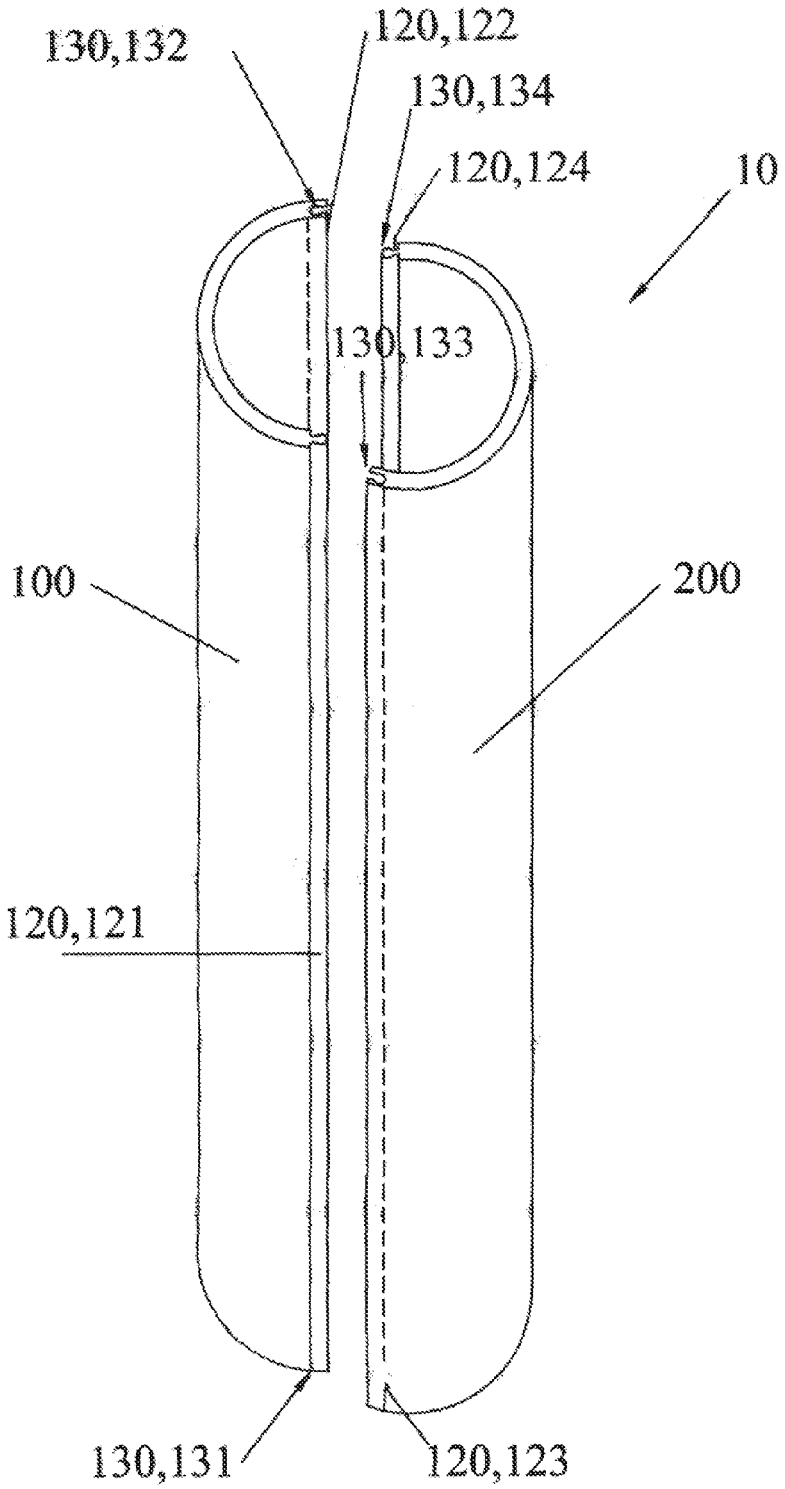



Fig. 1A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120,122
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200
120,121
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120,123

Fig. 1B

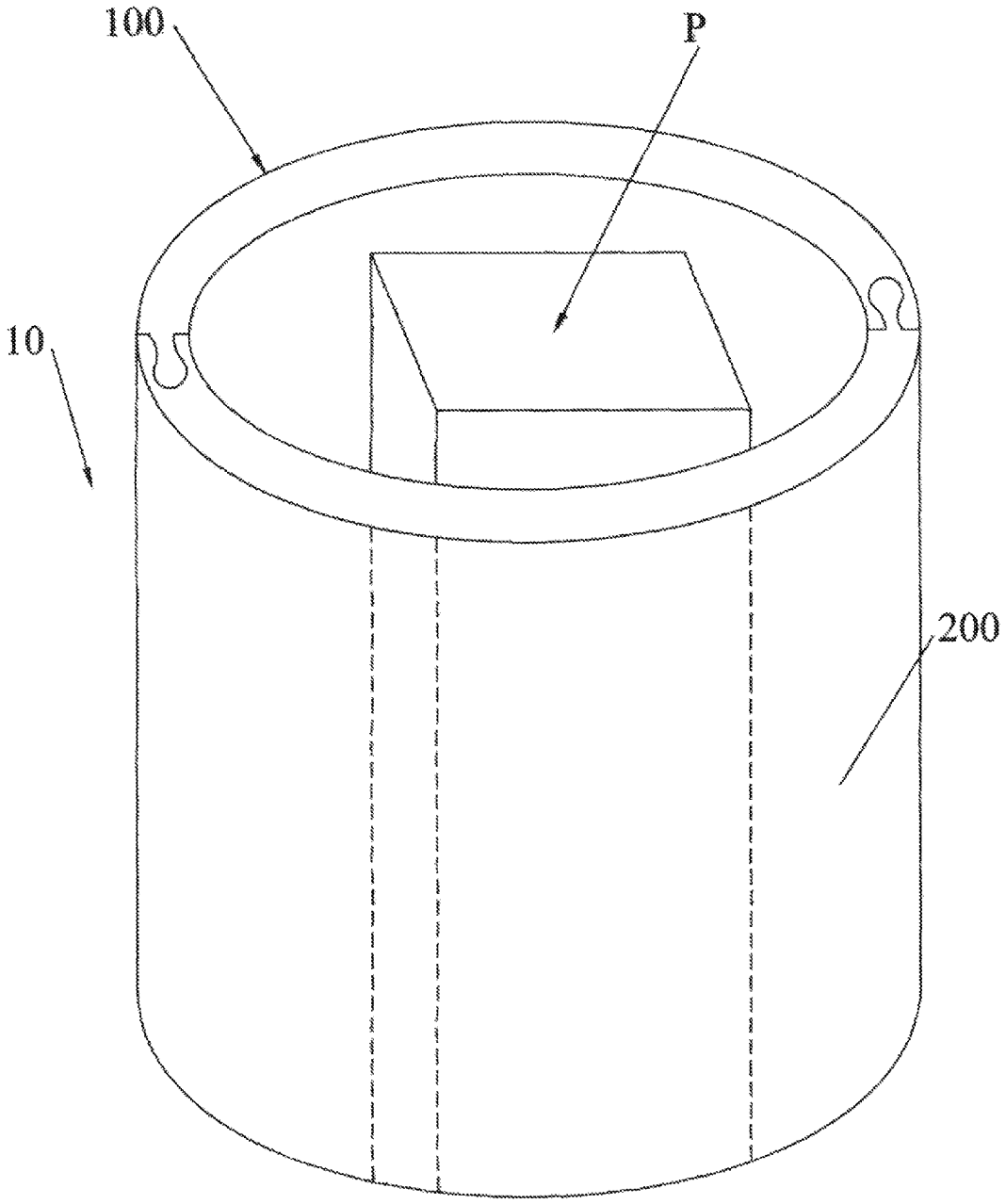



Fig. 1C

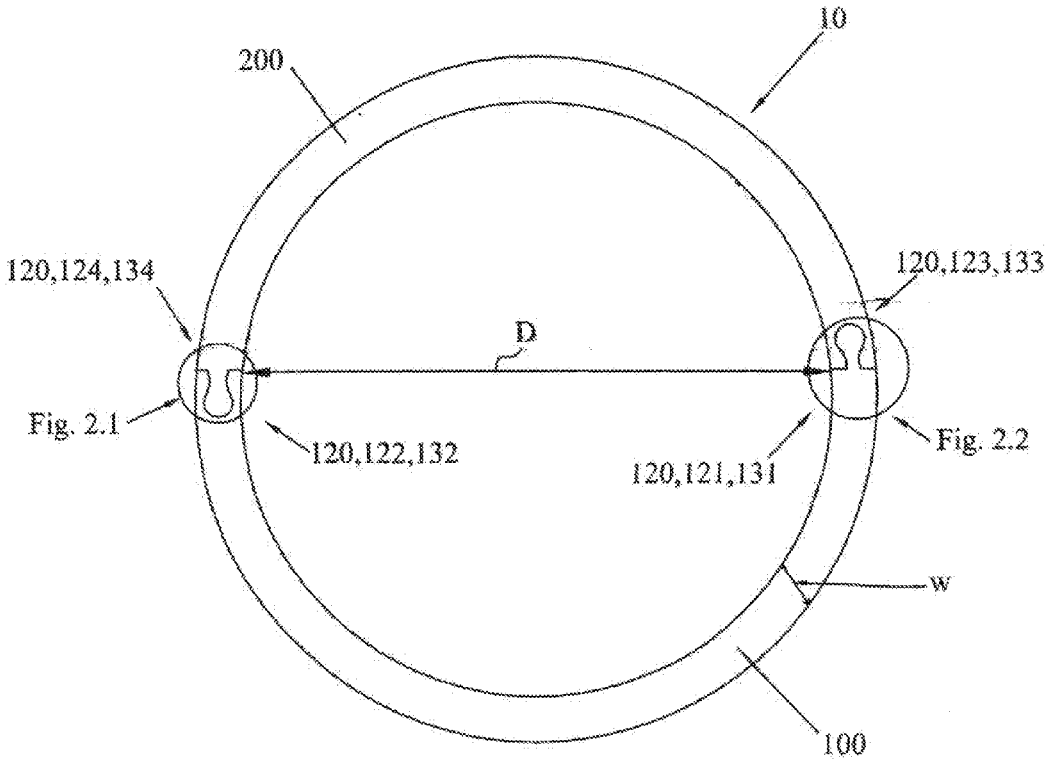



Fig 2

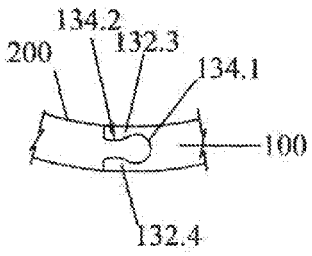



FIG 2.1

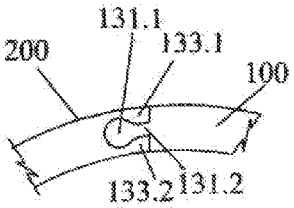
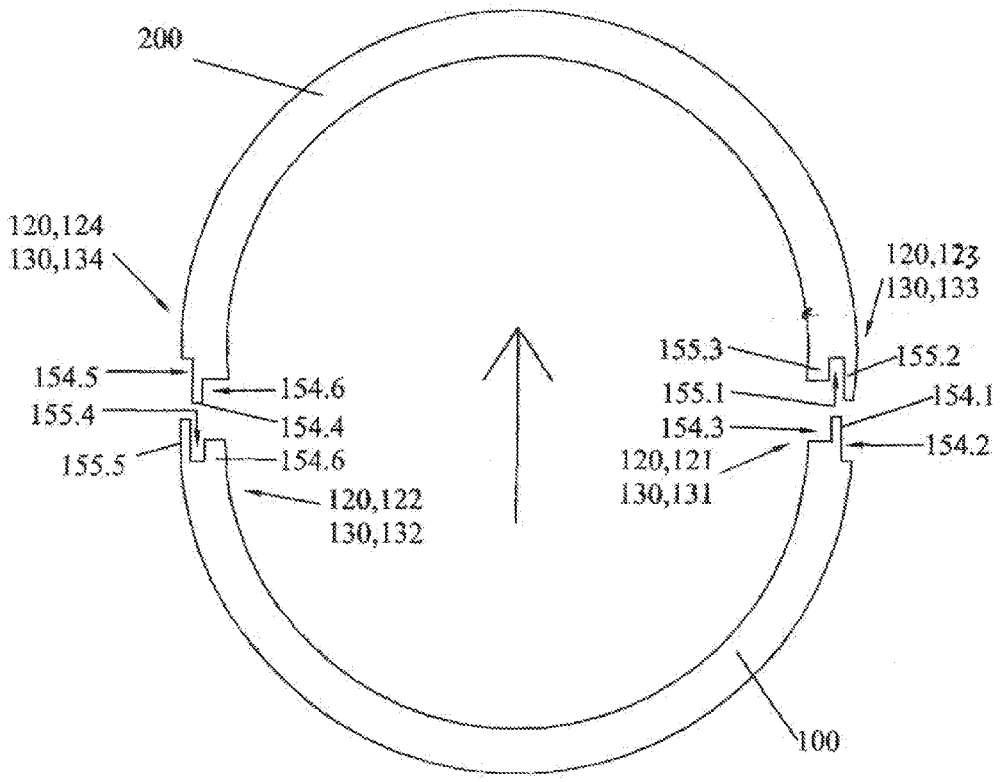



FIG 2.2


200
120,124
130,134
120,123
130,133
154.5
154.6
155.4
154.4
155.5
154.6
120,122
130,132
155.3
155.2
155.1
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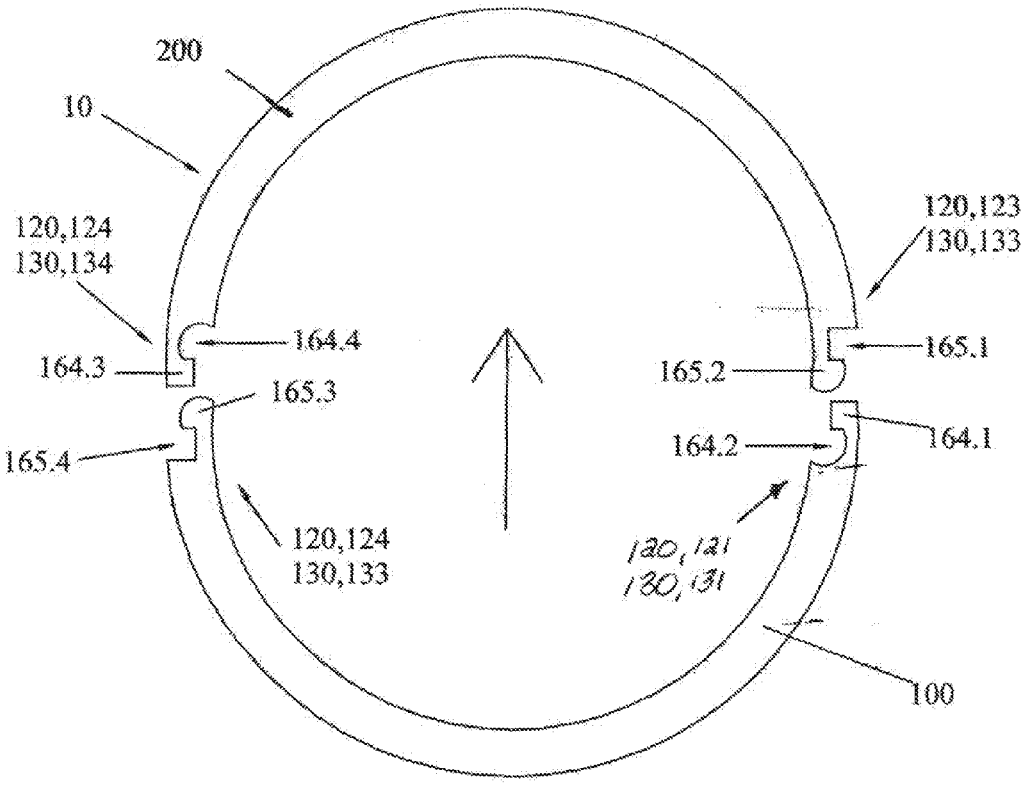
154.3
154.2
120,121
130,131
100

Fig 3


200
10
120,124
130,134
164.4
164.3
165.3
165.4
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130,133
120,123
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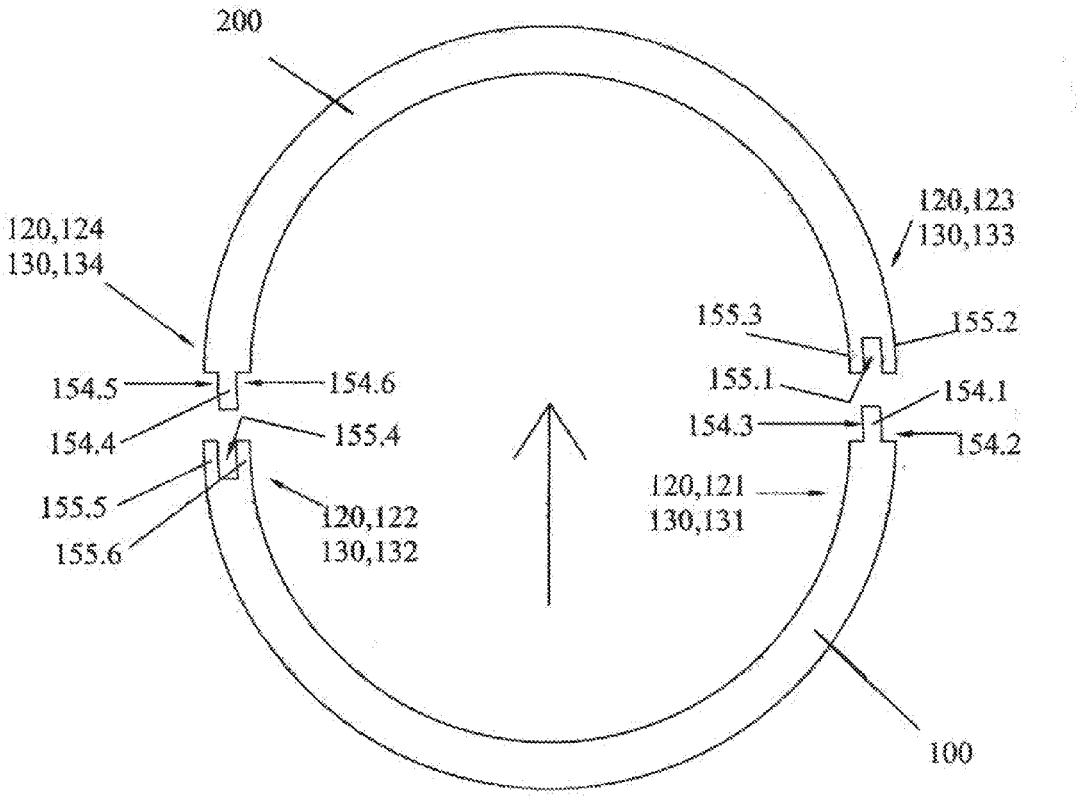
165.1
165.2
164.2
164.1
120,121
130,131
100

Fig 4


200
120,124
130,134
120,123
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155.1
154.1
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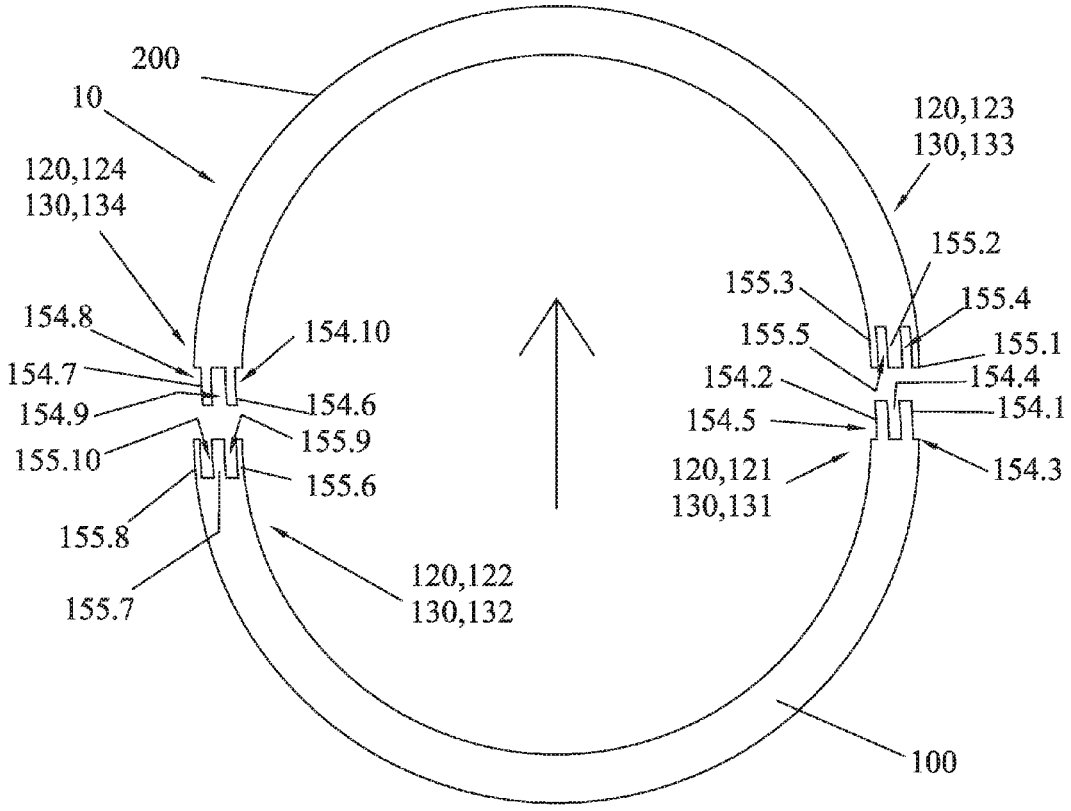
154.3
154.2
155.5
155.6
120,122
130,132
120,121
130,131
100

Fig 5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154.8
154.7
154.9
155.10
155.8
155.7
154.10
154.6
155.9
155.6
120,122
130,132
120,123
130,133
155.2
155.3
155.4
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155.1
154.2
154.4
154.5
154.1
120,121
130,131
154.3
100

Fig. 6

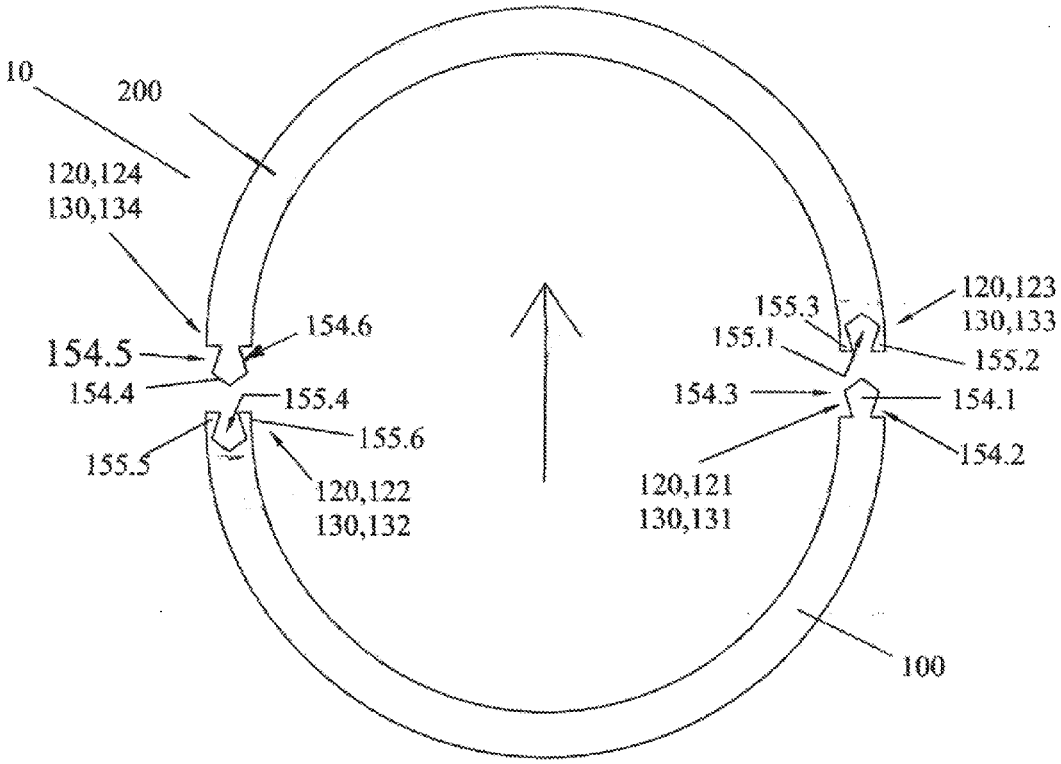
10
200
120,124
130,134
154.5
154.4
154.6
155.4
155.6
155.5
120,122
130,132
155.3
155.1
120,123
130,133
155.2
154.3
154.1
154.2
120,121
130,131
100

Fig. 7

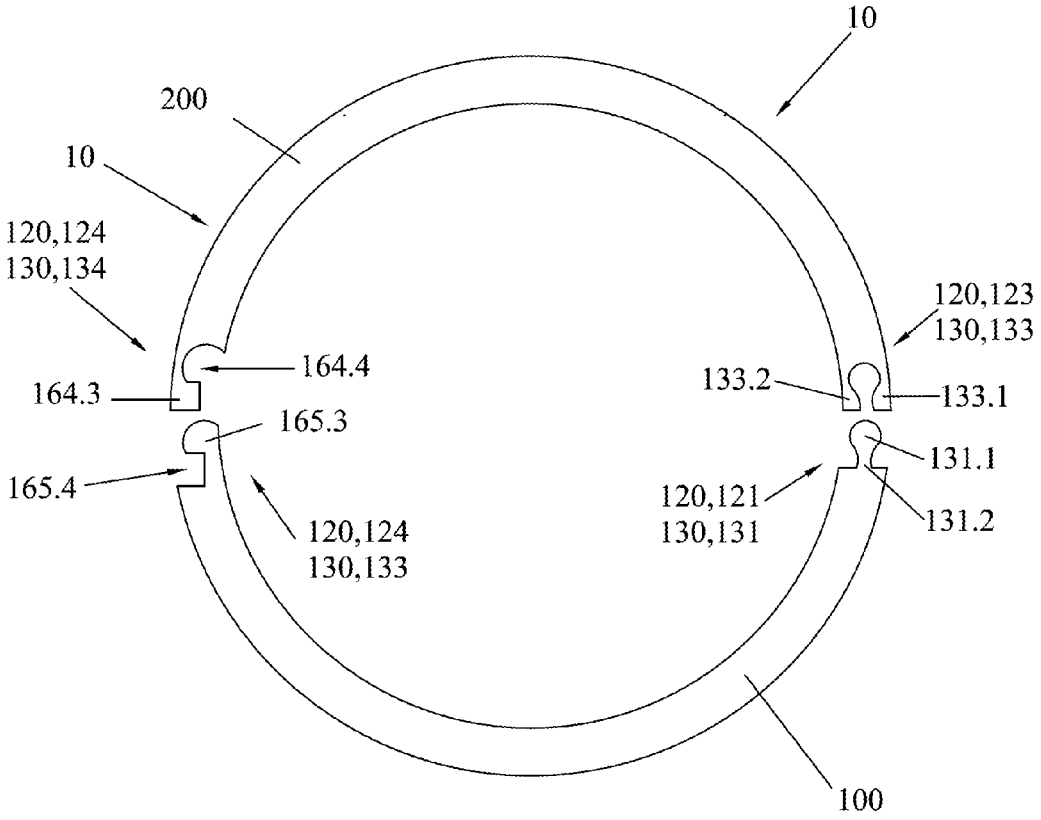
10
200
10
120,124
130,134
120,123
130,133
164.4
164.3
133.2
133.1
165.3
131.1
165.4
120,121
130,131
131.2
120,124
130,133
100

Fig 8

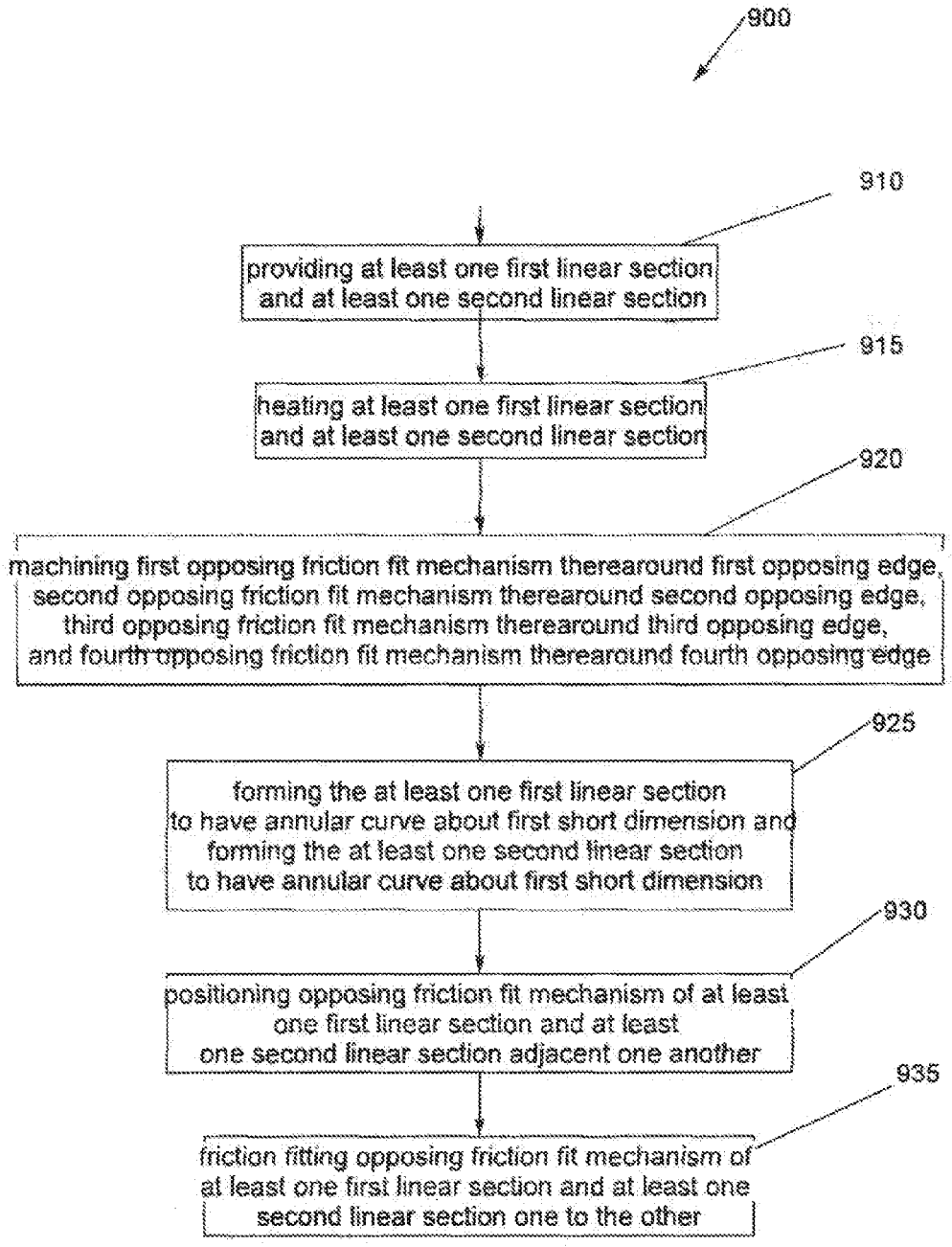
900
910
providing at least one first linear section and at least one second linear section
915
heating at least one first linear section and at least one second linear section
920
machining first opposing friction fit mechanism therearound first opposing edge, second opposing friction fit mechanism therearound second opposing edge, third opposing friction fit mechanism therearound third opposing edge, and fourth opposing friction fit mechanism therearound fourth opposing edge
925
forming the at least one first linear section to have annular curve about first short dimension and forming the at least one second linear section to have annular curve about first short dimension
930
positioning opposing friction fit mechanism of at least one first linear section and at least one second linear section adjacent one another
935
friction fitting opposing friction fit mechanism of at least one first linear section and at least one second linear section one to the other

FIG. 9

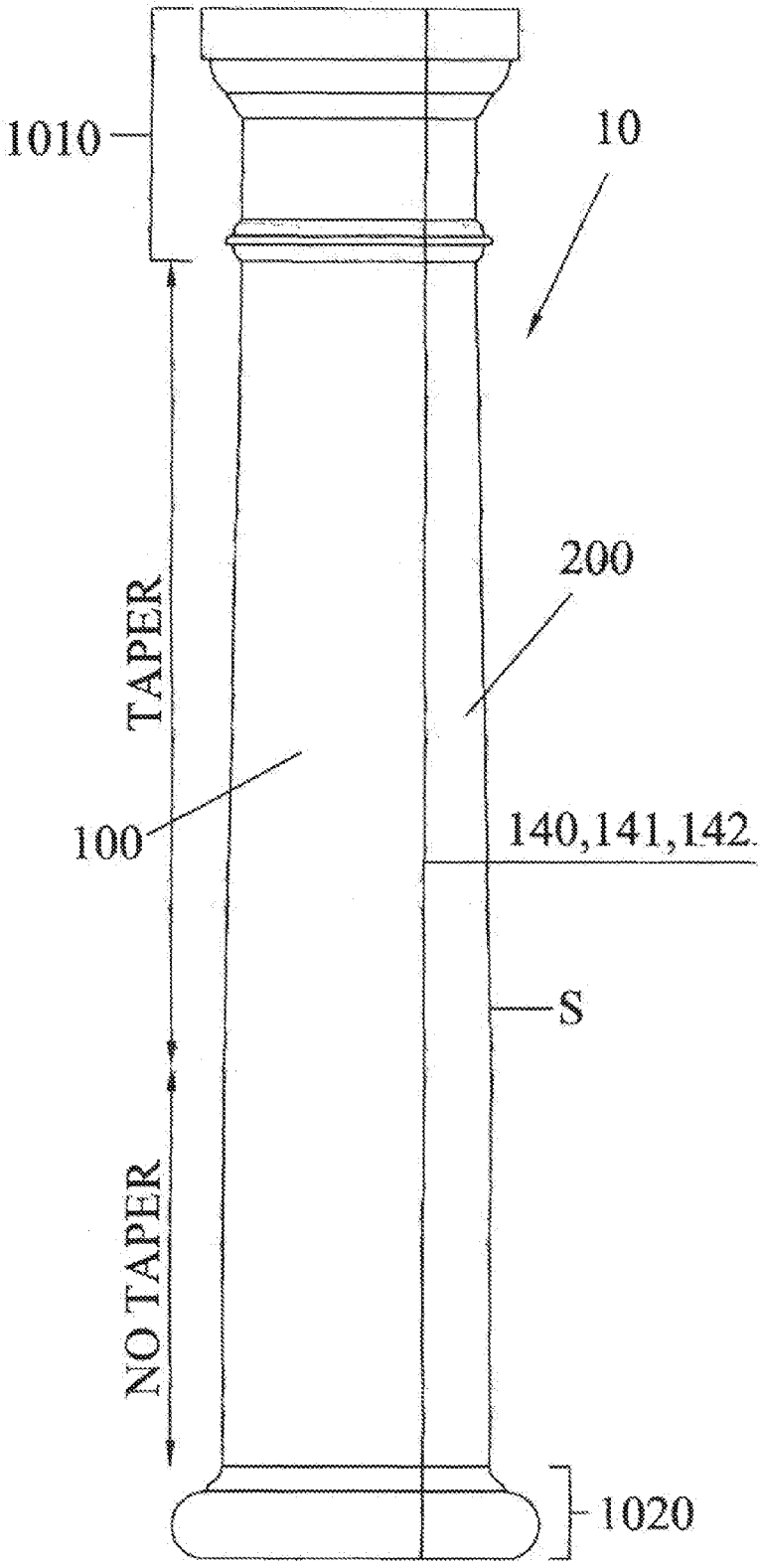


Fig. 10

# FRICTION FIT COLUMN ASSEMBLY WITH INTERLOCKING JOINT SYSTEM AND METHODS OF USE

## CROSS-REFERENCE TO RELATED APPLICATIONS

**[0001]** To the full extent permitted by law, the present United States Non-provisional patent application hereby claims priority to and the full benefit of United States Provisional Application entitled "TWO SEMI-ROUND SNAP FIT INTERLOCKING MEMBERS TO FORM A COLUMN," having assigned Ser. No. 62/318,812, filed on Apr. 6, 2016, incorporated herein by reference in its entirety.

## FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

**[0002]** None

## PARTIES TO A JOINT RESEARCH AGREEMENT

**[0003]** None

## REFERENCE TO A SEQUENCE LISTING

**[0004]** None

## BACKGROUND OF THE INVENTION

### Technical Field of the Invention

**[0005]** This disclosure relates generally to the home building industry, and, more specifically, a two or more piece decorative column assembly.

### Description of the Related Art

**[0006]** The home building and construction industry has seen various vertical support devices for the purpose of supporting an overhead load whether composed of wood, steel, aluminum, alloys, stonework, plastics, composites or the like and such vertical support devices may include decorative fascia or exterior surfaces. Moreover, a number of single piece prefabricated vertical support devices whether for interior or exterior use are available in a variety widths, lengths, and load capabilities. One disadvantage of this approach of a one piece prefabricated vertical support devices is that they are difficult to ship since they are un-stackable, and this increases the shipping cost per unit and overall cost. Another disadvantage of this approach of a one piece prefabricated vertical support devices is that they are heavy in weight, and this heavier weight increases the shipping cost per unit and overall cost.

**[0007]** Another vertical support device includes a vertical support device having a cross-section of a circle, oval, square, or the like, and more specifically a post or PVC pipe having a decorative wrap that goes around and covers the post or PVC pipe. One disadvantage of this approach of a post or PVC pipe covered by a decorative wrap is that the decorative wrap is typically glued to the post or PVC pipe and over time glue may give way and allow water therein or corrosion of the vertical support device.

**[0008]** In an effort to reduce costs of vertical support devices and maintain a decorative fascia, less costly vertical support devices may be utilized and then covered with or enclosed by a decorative wrap or skin.

**[0009]** One such vertical support device includes a one piece vertical support device having a cross-section of a circle, oval, square, rectangle, or the like and a single piece rigid decorative sleeve, tube or conduit configured to cover the vertical support device. One disadvantage of this approach of a single piece rigid decorative sleeve, tube or conduit is that they are difficult to ship since they are un-stackable and have a large amount of "free-space" inside, and this increases the shipping cost per unit and overall cost. Another disadvantage of this approach of a single piece rigid decorative sleeve, tube or conduit is that they are heavy in weight due to fiberglass construction, and this heavier weight increases the shipping cost per unit and overall cost. Another disadvantage of this approach of a single piece rigid decorative sleeve, tube or conduit is that they can only be used during installation and construction and not as a remodel or refurbishing, such as to wrap around an existing vertical support device.

**[0010]** Another such vertical support device includes a vertical support device having a cross-section of a circle, oval, square, rectangle, or the like and a multi-piece decorative skin, wherein each piece of the decorative skin is nailed, glued, or screwed thereto the vertical support device together to make a lower cost decorative vertical support device. One disadvantage of this approach of a multi-piece decorative skin is that they are labor intensive to install and does not look as nice, can come apart, and will need further painting. Another disadvantage of this approach of a multi-piece decorative skin is that the decorative wrap is typically glued to the post or PVC pipe and over time the nail, glue, or screw may give way and allow water therein or corrosion of the vertical support device.

**[0011]** Therefore, it is readily apparent there is a recognizable unmet need for friction fit column assembly with interlocking joint system and methods of use that is configured to address at least some aspects of the problems discussed above common to the traditional vertical support device, which specifically functions to provide a lower cost vertical sleeve that is not glued to the exterior of the vertical support device, is not a single piece rigid sleeve, tube or conduit, is light weight and/or stackable to reduce shipping and handling cost, to provide a multi-piece sleeve system which may be used during installation and construction and during a remodel or refurbishing, such as to cover or enclose an existing vertical support device, to provide multi-piece sleeve system that does not require nails, glue, or screws to assemble, and thereby, provide a more efficient multi-piece column, sleeve device, system, and/or process.

## SUMMARY

**[0012]** Briefly described, in an example embodiment, the present disclosure overcomes the above-mentioned disadvantages and meets the recognized need for a friction fit column assembly with interlocking joint system and methods of use, that generally includes a conduit apparatus that includes a two or more piece interlocking column assembly having at least a first linear section configured with an annular curve about a first short dimension, said at least first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein said first set of opposing edges are configured with a first opposing male/female latch mechanism; and at least a second linear section configured with said annular curve about a second short dimension, said at least second linear section having a

second exterior surface, a second interior surface, and a second set of opposing edges, wherein said second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein said first opposing male/female latch mechanism and said second opposing male/female latch mechanism are configured to friction fit thereto each other, and thus functions to facilitate a two or more piece interlocking column assembly for ease of assembly and shipping, to provide a lower cost vertical sleeve assembly that is not glued to the exterior of the vertical support device, is not a single piece rigid decorative sleeve, tube or conduit, is light weight and/or stackable to reduce shipping and handling cost, to provide a multi-piece sleeve system which may be used during installation and construction and during a remodel or refurbishing, such as to cover or enclose an existing vertical support device, to provide multi-piece sleeve system that does not require nails, router, glue, or screws to assemble, or other joinery work is required and thereby, provide a more efficient multi-piece sleeve device, system, and/or process.

**[0013]** According to its major aspects and broadly stated, the disclosure of the a friction fit column assembly with interlocking joint system and methods of use that generally includes multiple semi-round elongated members, each having a first opposing male/female latch mechanism or joint and a second opposing male/female latch mechanism or joint between sets of opposing edges (a male portion of a joint on one edge and a female portion of a joint on the other edge), wherein the opposing male/female latch mechanism include alternate variations to the configuration, shape, or style of the opposing male/female latch mechanism or joint to form a friction fit or snap together joint or seam that once interlocked or clicked together, is fixed together tightly forming an enclosed column.

**[0014]** In an exemplary embodiment, friction fit column assembly with interlocking joint system including at least a first linear section configured with an annular curve about a first short dimension, the at least first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein the first set of opposing edges are configured with a first opposing male/female latch mechanism, at least a second linear section configured with the annular curve about a second short dimension, the at least second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein the second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein the first opposing male/female latch mechanism and the second opposing male/female latch mechanism are configured to friction fit thereto each other.

**[0015]** In an exemplary embodiment, friction fit column assembly with interlocking joint system including at least a first linear section configured with an annular curve about a first short dimension, the at least first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein the first set of opposing edges are configured with a first opposing male/female latch mechanism, at least a second linear section configured with the annular curve about a second short dimension, the at least second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein the second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein the first opposing male/female latch mechanism and the second opposing male/female latch mechanism are configured to friction fit thereto each other, and a vertical support device, wherein the at least a first linear section and the at least a second linear section are configured to surround the vertical support device.

**[0016]** In still a further exemplary embodiment of a method of forming a friction fit column assembly includes the steps set forth in FIG. **9**.

**[0017]** Accordingly, a feature of the friction fit column assembly with interlocking joint system and methods of use is the ability to provide a variety of opposing male/female latch mechanism configuration to form a friction fit or snap together thereon joint or seam of the two or more column assembly.

**[0018]** Another feature of the friction fit column assembly with interlocking joint system and methods of use is the ability to provide multiple semi round pieces with female and male joints on opposing edges, that interlock and click together when surrounding an existing post or weight bearing structure, creating a full circular enclosed column.

**[0019]** Still another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide two or more pieces, each having one female and one male joint on opposing edges, which will snap or click together with another counter piece's male and female joints, respectively. For example if there is total of two pieces, one part will have a male joint on one edge and a female joint on the other opposing edge, and will interconnect with other opposite mating configurations. For example, the male of part one will click with the female of part two. The female of part one will connect with the male joint of part two.

**[0020]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide an interlocking male-female friction or snap joint for ease of assembly on site.

**[0021]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a two or more piece interlocking column assembly for ease of assembly and shipping enabling shipment of a smaller cross section two piece item.

**[0022]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a lower cost vertical sleeve assembly that is not glued to the exterior of the vertical support device.

**[0023]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a non-single piece rigid decorative sleeve, tube or conduit.

**[0024]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a light weight and/or stackable two or more piece assembly to reduce shipping and handling cost.

**[0025]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a multi-piece sleeve system which may be used during installation and construction and during a remodel or refurbishing, such as to cover or enclose an existing vertical support device.

**[0026]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a multi-piece sleeve system that does not require nails, glue, or screws to assemble.

**[0027]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide an interlocking male-female friction or snap joint, wherein a preferred shape of the male joint is a round headed joint that becomes slightly smaller or thinner on the body or base and a matching reversed female indent or cutout.

**[0028]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to manufacture the two or more short side curved pieces from elongated flat sheets via heat and rolling to reduce cost of manufacture. Simplified manufacturing to bend a flat stock into a half circle vs. formation of a continuous tube or conduit.

**[0029]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide an enclosure for existing wooden, steel, or like post, to save it from corrosion, as well as provide a decorative column.

**[0030]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide tapered, contoured, or straight length columns depending on the style and requirement.

**[0031]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide at least a first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein the first set of opposing edges are configured with a first opposing male latch mechanism and at least a second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein said second set of opposing edges are configured with a first opposing female latch mechanism. One individual piece that can have either two males or two females and the other counter piece can have the opposite 2 joints to click them together. This is where one semi round piece can have 2 female slots and the other piece will have 2 male joints.

**[0032]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide a round column made up of more than two curved pieces that use a female and male or male-male and female-female interlocking system to achieve a unified round column.

**[0033]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to be easily surrounded or assembled around an existing post to create an enclosed column.

**[0034]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is its ability to provide less man power to install and may be installed by one person in most cases.

**[0035]** Yet another feature of the friction fit column assembly with interlocking joint system and methods of use is that it does not require nails, router, glue, or screws to assemble, or other joinery work.

**[0036]** These and other features of the friction fit column assembly with interlocking joint system and methods of use will become more apparent to one skilled in the art from the prior Summary and following Brief Description of the Drawings, Detailed Description of exemplary embodiments thereof, and Claims when read in light of the accompanying Drawings or Figures.

## BRIEF DESCRIPTION OF THE DRAWINGS

**[0037]** The present the friction fit column assembly with interlocking joint system and methods of use will be better understood by reading the Detailed Description of the Preferred and Selected Alternate Embodiments with reference to the accompanying drawing Figures, in which like reference numerals denote similar structure and refer to like elements throughout, and in which:

**[0038]** FIG. **1**A is a perspective side view of an exemplary embodiment of the friction fit column assembly with exemplary interlocking joint system, shown assembled;

**[0039]** FIG. **1**B is a perspective side view of an exemplary embodiment of the friction fit column assembly with exemplary interlocking joint system, shown unassembled;

**[0040]** FIG. **1**C is a perspective side view of an exemplary embodiment of the friction fit column assembly with exemplary interlocking joint system, shown assembled around a post;

**[0041]** FIG. **2** is an end view or cross-sectional of the friction fit column assembly of FIG. **1**A, **1**B, **1**C;

**[0042]** FIG. **2.1** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **2**, showing detail of a first exemplary interlocking joint system;

**[0043]** FIG. **2.2** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **2**, showing detail of a second exemplary interlocking joint system;

**[0044]** FIG. **3** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a third exemplary interlocking joint system;

**[0045]** FIG. **4** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a fourth exemplary interlocking joint system;

**[0046]** FIG. **5** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a fifth exemplary interlocking joint system;

**[0047]** FIG. **6** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a sixth exemplary interlocking joint system;

**[0048]** FIG. **7** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a seventh exemplary interlocking joint system;

**[0049]** FIG. **8** is a partial end view or cross-sectional of the friction fit column assembly of FIG. **1**, showing detail of a combination exemplary interlocking joint system of FIG. **2** and FIG. **4**;

**[0050]** FIG. **9** is a flow diagram of a method of use of one or more unhoused filtration devices to filter a portion of suspended substances from an effluent; and

**[0051]** FIG. **10** is a side view of an exemplary embodiment of the friction fit column assembly with exemplary interlocking joint system, shown as a decorative contoured column assembly.

## DETAILED DESCRIPTION

**[0052]** In describing the exemplary embodiments of the present disclosure, as illustrated in FIGS. **1-10**, specific terminology is employed for the sake of clarity. The present disclosure, however, is not intended to be limited to the specific terminology so selected, and it is to be understood that each specific element includes all technical equivalents that operate in a similar manner to accomplish similar functions. Embodiments of the claims may, however, be embodied in many different forms and should not be con-

strued to be limited to the embodiments set forth herein. The examples set forth herein are non-limiting examples, and are merely examples among other possible examples.

**[0053]** Referring now to the FIGS. **1**A, **1**B, and **1**C there is illustrated column assembly **10** preferably configured as a multi-piece assembled conduit, tube or the like having a plurality of curved, arcing, or angled linear sections, such as a two or more piece interlocking column assembly preferably includes first linear section **100** and second linear section **200** divided by or separable along seam **140**, and includes first seam **141** and second seam **142**. First linear section **100** may be configured having annular curve AC about first short dimension SD**1** and having length L. Moreover, first linear section **100** may include first exterior surface **110**, first interior surface **112**, and first set of opposing edges **120**. First set of opposing edges **120** of first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include, opposing friction fit mechanism **130**, first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**.

**[0054]** Second linear section **200** may be configured having annular curve AC about second short dimension SD**2** and having length L. Moreover, second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include another first or third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include another second or fourth opposing friction fit mechanism **134**.

**[0055]** It is contemplated herein that first linear section **100** and second linear section **200** divided by or separable along seam **140**, may be positioned to interlock, snap, friction fit thereto each other, where first opposing friction fit mechanism **131** of first linear section **100** and third opposing friction fit mechanism **133** of second linear section **200** may be removeably affixed thereto each other and second opposing friction fit mechanism **132** of first linear section **100** and fourth opposing friction fit mechanism **134** of second linear section **200** may be removeably affixed thereto each other to form two or more piece interlocking column assembly **10**.

**[0056]** Column assembly **10** may be formed of any light weight rigid material or composite material, capable of vertical enclosure of post P (existing post or other weight bearing structure formed of wooden, steel, aluminum, alloy, composite or the like), where flat sheets of first linear section **100** and second linear section **200** may be bent or bendable as annular curve AC or formed with annular curve AC to encircle, create a full enclosure therearound to provide a decorative column.

**[0057]** Moreover, column assembly **10** may preferably be constructed of plastic, fiberglass, polyvinyl carbonate (PVC) or composite materials that are available in a variety of natural and synthetic fiber, composites, laminated composite material, cast materials, polymers as these materials offers a variety of forms, shapes, strengths, and weights. It is contemplated herein that other suitable materials may be utilized or the like, whether formed of multiple layers with different materials, or the like, may be utilized, provided such material has sufficient strength, stackable, bendable, formable, durability, paintable, chemical resistance, offers long service life, pH tolerance, small system footprint, light weight, and/or durable as would meet the purpose described herein.

**[0058]** Referring now to the FIGS. **2**, **2.1**, and **2.2** there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0059]** As shown in FIG. **2.2**, first opposing friction fit mechanism **131** may further include a stem, such as first stem **131.2** preferably connected thereto first opposing edge **121** and may further include a rounded bulb, such as first rounded bulb head **131.1** preferably connected thereto first stem **131.2**. Again as shown in FIG. **2.2**, third opposing friction fit mechanism **133** may further include a pair of gripper fingers, such as first gripper finger **133.1** preferably connected thereto third opposing edge **123** and may further include second gripper finger **133.2** preferably connected thereto third opposing edge **123**.

**[0060]** It is contemplated herein that column assembly **10** having first linear section **100** having first rounded bulb head **131.1** and first stem **131.2** (that is slightly wider on its head and slightly thinner on the base of the joint) may be gripped or removeably affixed to second linear section **200** having first gripper finger **133.1** and second gripper finger **133.2** (beginning of the slot is narrow and the slot becomes wider or contours as it goes deeper into second linear section **200**) to interlock, snap, friction fit one to the other, first linear section **100** to second linear section **200**.

**[0061]** As shown in FIG. **2.1**, fourth friction fit mechanism **134** may further include a stem, such as second stem **134.2** preferably connected thereto fourth opposing edge **124** and may further include a rounded bulb head, such as second rounded bulb head **134.1** preferably connected thereto first stem **134.2**. Again as shown in FIG. **2.1**, second opposing friction fit mechanism **132** may further include a pair of gripper fingers, such as third gripper finger **132.3** preferably connected thereto second opposing edge **122** and may further include fourth gripper finger **132.4** preferably connected thereto second opposing edge **122**.

**[0062]** It is contemplated herein that column assembly **10** having second linear section **200** having second rounded bulb head **134.1** and second stem **134.2** (that is slightly wider on its head and slightly thinner on the base of the joint) may be gripped or removeably affixed to first linear section **100** having third gripper finger **132.3** (beginning of the slot is narrow and the slot becomes wider or contoured as it goes deeper into first linear section **100**) and fourth gripper finger **132.4** to interlock, snap, friction fit one to the other, first linear section **100** to second linear section **200**.

**[0063]** It is further contemplated herein that column assembly **10** having first linear section **100** may include both

male ends and second linear section **200** may include both female ends respectively vs. each having one of each.

**[0064]** It is further contemplated herein that column assembly **10** having first linear section **100** and second linear section **200** may have inside diameter D necessary to enclose or encase the dimensions of post P. Moreover, in a preferred embodiment of column assembly **10** inside diameter D may range from four inches (4") to eighteen inches (18") or more; however, other dimensions are included herein to accommodate the dimension requirements to configure or position column assembly **10** therearound post P.

**[0065]** It is further contemplated herein that column assembly **10** having first linear section **100** and second linear section **200** may have a thickness, such as width W. Moreover, in a preferred embodiment of column assembly **10** width W may range from three-eighths of an inch (⅜") to one and a quarter inch (1¼") or more; however, other dimensions are included herein to provide sufficient strength, stackable, bendable, durability, paintable, chemical resistance, offers long service life, pH tolerance, small system footprint, and/or durability as would meet the purpose described herein.

**[0066]** Referring now to the FIG. **3**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0067]** As shown in FIG. **3**, first opposing friction fit mechanism **131** may further include an offset stepped finger, such as stepped first finger member **154.1** preferably connected thereto first opposing edge **121** and may further include first finger member notch **154.2** and second finger member notch **154.3** preferably connected thereto first opposing edge **121** and adjacent first finger member **154.1**. Again as shown in FIG. **3**, third opposing friction fit mechanism **133** may further include an offset stepped slot, such as first slot member **155.1** preferably connected thereto third opposing edge **123** and may include lengthened second finger member **155.2** and include third finger member **155.3** preferably connected thereto third opposing edge **123** and adjacent first slot member **155.1**.

**[0068]** It is contemplated herein that column assembly **10** having first linear section **100** having first finger member **154.1**, second finger member notch **154.2**, and second third finger member notch **154.3** may be friction fit, gripped thereto second linear section **200** having first slot member **155.1**, lengthened second finger member **155.2**, and third finger member **155.3** to interlock, snap, friction fit one to the other.

**[0069]** As shown in FIG. **3**, fourth friction fit mechanism **134** may further include first finger member **154.4** preferably connected thereto fourth opposing edge **124** and may further include second finger member notch **154.5** and third finger member notch **154.6** preferably connected thereto fourth opposing edge **124** and adjacent first finger member **154.4**. Again as shown in FIG. **3**, second opposing friction fit mechanism **132** may further include first slot member **155.4** preferably connected thereto second opposing edge **122** and may include lengthened second finger member **155.5** and include third finger member **155.6** preferably connected thereto second opposing edge **122** and adjacent second slot member **155.4**.

**[0070]** It is contemplated herein that column assembly **10** having second linear section **200** having first finger member **154.4**, second finger member notch **154.5** and third finger member notch **154.6** may be friction fit, gripped thereto first linear section **100** having second slot member **155.4**, lengthened second finger member **155.5** and include third finger member **155.6** to interlock, snap, friction fit one to the other.

**[0071]** Referring now to the FIG. **4**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0072]** As shown in FIG. **4**, first opposing friction fit mechanism **131** may further include a first finger having a cutout, such as first finger member **164.1** (more specifically may be square or rectangle or the like) preferably connected thereto first opposing edge **121** and may further include a second finger having a cutout, such as first finger member cutout **164.2** (more specifically may be rounded or curved or the like) preferably connected thereto first opposing edge **121** and adjacent first finger member **164.1**. Again as shown in FIG. **4**, third opposing friction fit mechanism **133** may further include a second finger having an opposing cutout, such as second finger member cutout **165.1** (more specifically may be square or rectangle or the like) preferably connected thereto third opposing edge **123** and may include a second finger, such as second finger member **165.2** preferably connected thereto third opposing edge **123** and adjacent second finger member cutout **165.1**.

**[0073]** It is contemplated herein that column assembly **10** having first linear section **100** having first finger member **164.1** and first finger member cutout **164.2** may be friction fit, gripped thereto second linear section **200** having second finger member cutout **165.1**, and second finger member **165.2** to interlock, snap, friction fit one to the other.

**[0074]** As shown in FIG. **4**, fourth opposing friction fit mechanism **134** may further include a first finger having a cutout, such as first finger member **164.3** (more specifically may be square or rectangle or the like) preferably connected thereto fourth opposing edge **124** and may further include first finger member cutout **164.4** (more specifically may be rounded or curved or the like) preferably connected thereto

fourth opposing edge **124** and adjacent first finger member **164.3**. Again as shown in FIG. **4**, second opposing friction fit mechanism **132** may further include second finger member cutout **165.2** (more specifically may be square or rectangle or the like) preferably connected thereto second opposing edge **122** and may include second finger member **165.4** preferably connected thereto second opposing edge **122** and adjacent second finger member cutout **165.2**.

**[0075]** It is contemplated herein that column assembly **10** having second linear section **200** having first finger member **164.3** and first finger member cutout **164.4** may be friction fit, gripped thereto first linear section **100** having second finger member cutout **165.2** and second finger member **165.4** to interlock, snap, friction fit one to the other.

**[0076]** Referring now to the FIG. **5**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0077]** As shown in FIG. **5**, first opposing friction fit mechanism **131** may further include a stepped finger, such as first finger member **154.1** preferably connected thereto first opposing edge **121** and may further include finger member first notch **154.2** and finger member second notch **154.3** preferably connected thereto first opposing edge **121** and adjacent first finger member **154.1**. Again as shown in FIG. **5**, third opposing friction fit mechanism **133** may further include a stepped slot, such as first slot member **155.1** preferably connected thereto third opposing edge **123** and may include slot member first finger **155.2** and include slot member second finger **155.3** preferably connected thereto third opposing edge **123** and adjacent first slot member **155.1**.

**[0078]** It is contemplated herein that column assembly **10** having first linear section **100** having first finger member **154.1**, finger member first notch **154.2**, and finger member second notch **154.3** may be friction fit, gripped thereto second linear section **200** having first slot member **155.1**, slot member first finger **155.2**, and slot member second finger **155.3** to interlock, snap, friction fit one to the other.

**[0079]** As shown in FIG. **5**, fourth friction fit mechanism **134** may further include first finger member **154.4** preferably connected thereto fourth opposing edge **124** and may further include finger member first notch **154.5** and finger member second notch **154.6** preferably connected thereto fourth opposing edge **124** and adjacent first finger member **154.4**. Again as shown in FIG. **5**, second opposing friction fit mechanism **132** may further include first slot member **155.4** preferably connected thereto second opposing edge **122** and may include slot member first finger **155.5** and include slot member second finger **155.6** preferably connected thereto second opposing edge **122** and adjacent first slot member **155.4**.

**[0080]** It is contemplated herein that column assembly **10** having second linear section **200** having first finger member **154.4**, finger member first notch **154.5** and finger member second notch **154.6** may be friction fit, gripped thereto first linear section **100** having first slot member **155.4**, slot member first finger **155.5** and include slot member second finger **155.6** to interlock, snap, friction fit one to the other.

**[0081]** Referring now to the FIG. **6**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0082]** As shown in FIG. **6**, first opposing friction fit mechanism **131** may further include two or more finger members, such as first finger member **154.1** and second finger member **154.2** preferably connected thereto first opposing edge **121**, and may further include first finger member notch **154.3** and second finger member notch **154.5** preferably connected thereto first opposing edge **121** and proximate first finger member **154.1** and second finger member **154.2**, respectively, and may further include first/second finger cutout **154.4** preferably connected thereto first opposing edge **121** and preferably positioned therebetween first finger member **154.1** and second finger member **154.2**. Again as shown in FIG. **6**, third opposing friction fit mechanism **133** may further include two or more slots, such as first finger member **155.1**, second finger member **155.2**, and third finger member **155.3** preferably connected thereto third opposing edge **123** and may further include first/second finger member slot **155.4** preferably connected thereto third opposing edge **123** and preferably positioned therebetween first finger member **155.1** and second finger member **155.2**, and may further include second/third finger member slot **155.5** preferably connected thereto third opposing edge **123** and preferably positioned therebetween second finger member **155.2** and third finger member **155.3**.

**[0083]** It is contemplated herein that column assembly **10** having first linear section **100** having first finger member **154.1** and second finger member **154.2**, first finger member notch **154.3** and second finger member notch **154.5**, first/second finger cutout **154.4** may be friction fit, gripped thereto second linear section **200** having first finger member **155.1**, second finger member **155.2**, and third finger member **155.3**, first/second finger member slot **155.4**, and second/third finger member slot **155.5** to interlock, snap, friction fit one to the other.

**[0084]** As shown in FIG. **6**, fourth friction fit mechanism **134** may further include two or more finger members, such as first finger member **154.6** and second finger member

**154.7** preferably connected thereto fourth opposing edge **124**, and may further include first finger member notch **154.8** and second finger member notch **154.10** preferably connected thereto fourth opposing edge **124** and proximate first finger member **154.6** and second finger member **154.7**, respectively, and may further include first/second finger cutout **154.9** preferably connected thereto fourth opposing edge **124** and preferably positioned therebetween first finger member **154.6** and second finger member **154.7**. Again as shown in FIG. **6**, second opposing friction fit mechanism **132** may further include two or more slots, such as first finger member **155.6**, second finger member **155.7**, and third finger member **155.8** preferably connected thereto second opposing edge **122** and may further include first/second finger member slot **155.9** preferably connected thereto second opposing edge **122** and may preferably be positioned therebetween first finger member **155.6** and second finger member **155.7**, and may further include second/third finger member slot **155.10** preferably connected thereto second opposing edge **122** and preferably positioned therebetween second finger member **155.7** and third finger member **155.8**.

**[0085]** It is contemplated herein that column assembly **10** having second linear section **200** having first finger member **154.6** and second finger member **154.7**, first finger member notch **154.8** and second finger member notch **154.10**, first/second finger cutout **154.9** may be friction fit, gripped thereto first linear section **100** having first finger member **155.6**, second finger member **155.7**, and third finger member **155.8**, first/second finger member slot **155.9**, and second/third finger member slot **155.10** to interlock, snap, friction fit one to the other.

**[0086]** Referring now to the FIG. **7**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0087]** As shown in FIG. **7**, first opposing friction fit mechanism **131** may further include a pointed finger member, such as pointed finger member **154.1** preferably connected thereto first opposing edge **121** and may further include pointed finger member first angled notch **154.2** and pointed finger member second angled notch **154.3** preferably connected thereto first opposing edge **121** and adjacent pointed finger member **154.1**. Again as shown in FIG. **7**, third opposing friction fit mechanism **133** may further include a pointed slot member, such as pointed slot member **155.1** preferably connected thereto third opposing edge **123** and may include pointed slot first inner angled finger **155.2** and include pointed slot second inner angled finger **155.3** preferably connected thereto third opposing edge **123** and adjacent pointed slot member **155.1**.

**[0088]** It is contemplated herein that column assembly **10** having first linear section **100** having pointed finger member **154.1**, pointed finger member first angled notch **154.2**, and pointed finger member second angled notch **154.3** may be friction fit, gripped thereto second linear section **200** having pointed slot member **155.1**, pointed slot member inner first angled finger **155.2**, and pointed slot member second inner angled finger **155.3** to interlock, snap, friction fit one to the other.

**[0089]** As shown in FIG. **7**, fourth friction fit mechanism **134** may further include pointed finger member **154.4** preferably connected thereto fourth opposing edge **124** and may further include pointed finger member first angled notch **154.5** and pointed finger member second inner angled notch **154.6** preferably connected thereto fourth opposing edge **124** and adjacent pointed finger member **154.4**. Again as shown in FIG. **7**, second opposing friction fit mechanism **132** may further include pointed slot member **155.4** preferably connected thereto second opposing edge **122** and may include pointed slot member first inner angled finger **155.5** and include pointed slot member second inner angled finger **155.6** preferably connected thereto second opposing edge **122** and adjacent pointed slot member **155.4**.

**[0090]** It is contemplated herein that column assembly **10** having second linear section **200** having pointed finger member **154.4**, pointed finger member first angled notch **154.5** and pointed finger member second angled notch **154.6** may be friction fit, gripped thereto first linear section **100** having pointed slot member **155.4**, pointed slot member inner first angled finger **155.5** and include pointed slot member inner second angled finger **155.6** to interlock, snap, friction fit one to the other.

**[0091]** Referring now to the FIG. **8**, there is illustrated an end view or cross-sectional of column assembly **10** having first linear section **100** and second linear section **200** friction fit or snapped one to the other. Again, first linear section **100**, may include first opposing edge **121** and second opposing edge **122**, where first opposing edge **121** may further include first opposing friction fit mechanism **131** and second opposing edge **122** may further include second opposing friction fit mechanism **132**. Second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0092]** As shown in FIG. **8**, first opposing friction fit mechanism **131** may further include a stem, such as stem **131.2** preferably connected thereto first opposing edge **121** and may further include a rounded bulb, such as rounded bulb head **131.1** preferably connected thereto first stem **131.2**. Again as shown in FIG. **8**, third opposing friction fit mechanism **133** may further include a pair of gripper fingers, such as first gripper finger **133.1** preferably connected thereto third opposing edge **123** and may further include second gripper finger **133.2** preferably connected thereto third opposing edge **123**.

**[0093]** It is contemplated herein that column assembly **10** having first linear section **100** having first rounded bulb head **131.1** and first stem **131.2** (that is slightly wider on its head and slightly thinner on the base of the joint) may be gripped

or removeably affixed to second linear section **200** having first gripper finger **133.1** and second gripper finger **133.2** (beginning of the slot is narrow and the slot becomes wider as it goes deeper into second linear section **200**) to interlock, snap, friction fit one to the other.

**[0094]** As shown in FIG. **8**, fourth opposing friction fit mechanism **134** may further include a first finger having a cutout, such as first finger member **164.3** (more specifically may be square or rectangle or the like) preferably connected thereto fourth opposing edge **124** and may further include first finger member cutout **164.4** (more specifically may be rounded or curved or the like) preferably connected thereto fourth opposing edge **124** and adjacent first finger member **164.3**. Again as shown in FIG. **4**, second opposing friction fit mechanism **132** may further include a second finger having a cutout, such as second finger member cutout **165.2** (more specifically may be square or rectangle or the like) preferably connected thereto second opposing edge **122** and may include second finger member **165.4** preferably connected thereto second opposing edge **122** and adjacent second finger member cutout **165.2**.

**[0095]** It is contemplated herein that column assembly **10** having second linear section **200** having first finger member **164.3** and first finger member cutout **164.4** may be friction fit, gripped thereto first linear section **100** having second finger member cutout **165.2** and second finger member **165.4** to interlock, snap, friction fit one to the other.

**[0096]** Furthermore, second linear section **200** may include second exterior surface **210**, second interior surface **220**, and second set of opposing edges **120**. Second set of opposing edges **120** of second linear section **200**, may include third opposing edge **123** and fourth opposing edge **124**, where third opposing edge **123** may further include third opposing friction fit mechanism **133** and fourth opposing edge **124** may further include fourth opposing friction fit mechanism **134**.

**[0097]** It is further contemplated herein that opposing friction fit mechanism **130** may be formed of any light weight semi-flexible material or composite material, capable of forming opposing male/female latch mechanism or joint to form a friction fit or snap together along joint or seam of opposing edges **120** that once interlocked or clicked together, is fixed together tightly forming an enclosed column.

**[0098]** It is still further contemplated herein that opposing friction fit mechanism **130** may utilize any combination of configurations set forth herein or other known friction fit mechanisms known to one of ordinary skill in the art.

**[0099]** It is still further contemplated herein that column assembly **10** having at least one first linear section **100** and at least one second linear section **200**.

**[0100]** Referring now to FIG. **9**, there is illustrated a flow diagram **900** of a method of constructing column assembly **10**. In block or step **910**, providing at least one first linear section **100** and at least one second linear section **200**. In block or step **915** heating the at least one first linear section **100** and at least one second linear section **200**. In block or step **920** forming opposing friction fit mechanism **130** therearound at least one first linear section **100** and at least one second linear section **200**, and more specifically machining first opposing friction fit mechanism **131** therearound first opposing edge **121** and machining second opposing friction fit mechanism **132** therearound second opposing edge **122**, and machining third opposing friction fit mechanism **133** therearound third opposing edge **123** and machining fourth opposing friction fit mechanism **134** therearound fourth opposing edge **124**. In block or step **925**, forming the at least one first linear section **100** to have annular curve AC about first short dimension SD**1** and forming the at least one second linear section **200** to have annular curve AC about first short dimension SD**2**. In block or step **930**, positioning opposing friction fit mechanism **130** of at least one first linear section **100** and at least one second linear section **200** adjacent one another, as shown in FIG. **1**B or alternatively positioning opposing friction fit mechanism **130** of at least one first linear section **100** and at least one second linear section **200** adjacent one another and enclosing post P, as shown in FIG. **1**C. In block or step **935**, interlocking, snapping, or friction fitting opposing friction fit mechanism **130** of at least one first linear section **100** and at least one second linear section **200** one to the other, and more specifically interlocking first opposing friction fit mechanism **131** of first opposing edge **121** thereto third opposing friction fit mechanism **133** of third opposing edge **123**, and interlocking second opposing friction fit mechanism **132** of second opposing edge **122** thereto fourth opposing friction fit mechanism **134** of fourth opposing edge **124**, as shown in FIG. **1**A.

**[0101]** Referring now to the FIG. **10**, there is illustrated a side view of column assembly **10** having two or more piece interlocking column assembly preferably includes first linear section **100** and second linear section **200** divided by or separable along seam **140**, and includes first seam **141** and second seam **142**. Moreover, column assembly **10** may include one or more decorative sections, such as first contoured section **1010** and second contoured section **1020** configured to provide a decorative style to column assembly **10**, such as Greek, Corinthian, Roman, Doric, Ionic, Composite, Tuscan, Bungalow, Solomonic, Egyptian, and the like. Column assembly **10** may include a taper along shaft S section wherein diameter A is greater than diameter B.

**[0102]** The foregoing description and drawings comprise illustrative embodiments of the present disclosure. Having thus described exemplary embodiments, it should be noted by those ordinarily skilled in the art that the within disclosures are exemplary only, and that various other alternatives, adaptations, and modifications may be made within the scope of the present disclosure. Merely listing or numbering the steps of a method in a certain order does not constitute any limitation on the order of the steps of that method. Many modifications and other embodiments of the disclosure will come to mind to one ordinarily skilled in the art to which this disclosure pertains having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Although specific terms may be employed herein, they are used in a generic and descriptive sense only and not for purposes of limitation. Moreover, the present disclosure has been described in detail, it should be understood that various changes, substitutions and alterations can be made thereto without departing from the spirit and scope of the disclosure as defined by the appended claims. Accordingly, the present disclosure is not limited to the specific embodiments illustrated herein, but is limited only by the following claims.

What is claimed is:

**1**. A friction fit column assembly, the column assembly comprising:

at least a first linear section configured with an annular curve about a first short dimension, said first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein said first set of opposing edges are configured with a first opposing male/female latch mechanism; and

at least a second linear section configured with said annular curve about a second short dimension, said second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein said second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein said first opposing male/female latch mechanism and said second opposing male/female latch mechanism are configured to friction fit thereto each other.

**2**. The column assembly of claim **1**, further comprising to vertical support device, wherein said first linear section and said second linear section are configured to surround said vertical support device.

**3**. The column assembly of claim **1**, wherein said first linear section and said second linear section are configured as tapered.

**4**. The column assembly of claim **1**, wherein said first linear section and said second linear section are configured as straight.

**5**. The column assembly of claim **1**, wherein said first linear section and said second linear section are configured as contoured.

**6**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises a stem and a rounded bulb connected thereto said stem, and said second opposing male/female latch mechanism further comprises a first gripper finger and a second gripper finger configured to grip said rounded bulb.

**7**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises an offset stepped finger, and said second opposing male/female latch mechanism further comprises an offset stepped slot configured to grip said offset stepped finger.

**8**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises a first finger with a cutout, and said second opposing male/female latch mechanism further comprises a second finger with an opposing cutout configured to grip said first finger with said cutout.

**9**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises a stepped finger, and said second opposing male/female latch mechanism further comprises a stepped slot configured to grip said stepped finger.

**10**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises two or more finger members, and said second opposing male/female latch mechanism further comprises two or more slots configured to grip said two or more finger members.

**11**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises a pointed finger member, and said second opposing male/female latch mechanism further comprises a pointed slot configured to grip said pointed finger member.

**12**. The column assembly of claim **1**, wherein said first opposing male/female latch mechanism further comprises a stem and a rounded bulb connected thereto said stem, and said second opposing male/female latch mechanism further comprises a first gripper finger and a second gripper finger configured to grip said rounded bulb; and another first opposing male/female latch mechanism further comprises a first finger with a cutout, and another second opposing male/female latch mechanism further comprises a second finger with an opposing cutout configured to grip said first finger with said cutout.

**13**. A friction fit column assembly, the column assembly comprising:

at least a first linear section configured with an annular curve about a first short dimension, said first linear section having a first exterior surface, a first interior surface, and a first set of opposing edges, wherein said first set of opposing edges are configured with a first opposing male/female latch mechanism;

at least a second linear section configured with said annular curve about a second short dimension, said second linear section having a second exterior surface, a second interior surface, and a second set of opposing edges, wherein said second set of opposing edges are configured with a second opposing male/female latch mechanism, wherein said first opposing male/female latch mechanism and said second opposing male/female latch mechanism are configured to friction fit thereto each other; and

a vertical support device, wherein said first linear section and said second linear section are configured to surround said vertical support device.

**14**. The column assembly of claim **13**, wherein said first linear section and said second linear section are configured as tapered.

**15**. The column assembly of claim **13**, wherein said first linear section and said second linear section are configured as straight.

**16**. The column assembly of claim **13**, wherein said first linear section and said second linear section are configured as contoured.

**17**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises a stem and a rounded bulb connected thereto said stem, and said second opposing male/female latch mechanism further comprises a first gripper finger and a second gripper finger configured to grip said rounded bulb.

**18**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises an offset stepped finger, and said second opposing male/female latch mechanism further comprises an offset stepped slot configured to grip said offset stepped finger.

**19**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises a first finger with a cutout, and said second opposing male/female latch mechanism further comprises a second finger with an opposing cutout configured to grip said first finger with said cutout.

**20**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises a stepped finger, and said second opposing male/female latch mechanism further comprises a stepped slot configured to grip said stepped finger.

**21**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises two or more finger members, and said second opposing

male/female latch mechanism further comprises two or more slots configured to grip said two or more finger members.

**22**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises a pointed finger member, and said second opposing male/female latch mechanism further comprises a pointed slot configured to grip said pointed finger.

**23**. The column assembly of claim **13**, wherein said first opposing male/female latch mechanism further comprises a stem and a rounded bulb connected thereto said stem, and said second opposing male/female latch mechanism further comprises a first gripper finger and a second gripper finger configured to grip said rounded bulb; and another first opposing male/female latch mechanism further comprises a first finger with a cutout, and another second opposing male/female latch mechanism further comprises a second finger with an opposing cutout configured to grip said first finger with said cutout.

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