positioned within the at least one cable guide passage and a closed configuration that engages the cable in the at least one cable guide passage. The cable traveler also includes at least one cam arm pivotally coupled to the housing. The at least one cam arm has a first end selectively configured to engage the cable positioned within the at least one cable guide. The cable traveler further includes at least one arm link pivotally coupled to the at least one cam arm. The at least one arm link is configured and arranged to move in relation to the at least one cam arm to form the closed configuration and the open configuration. The anti-inversion pawl is configured and arranged to selectively restrict movement of the main assembly when the housing is in an inverted orientation and to selectively restrict movement of the at least one cam and the at least one arm link in relation to each other when the housing is in the inverted orientation.

[0006] Another cable traveler is also disclosed. The cable traveler includes a housing, a control arm, a main assembly and a plunger. The housing forms at least one cable guide passage. The control arm is pivotally coupled to the housing. The control arm has an attachment eye that is configured and arranged to couple a fall protection system to the cable traveler. The main assembly is pivotally coupled to the housing. The main assembly is configured and arranged to have an open configuration that allows a cable to be positioned within the at least one cable guide passage and a closed configuration that engages the cable in the at least one cable guide passage. The plunger is configured and arranged to selectively restrict movement of main assembly. The plunger includes a main portion, an extending arm stop and a plunger biasing member. The main portion is movably coupled to the housing. The extending arm stop extends from the main portion. Moreover, the extending arm stop is received in a stop slot passage in the housing. The plunger biasing member is configured and arranged to bias the extending arm stop through the stop slot passage in the housing to selectively engage the main assembly.

[0007] In still another embodiment, a method of forming a cable traveler in provided. The method includes pivotally coupling a main assembly to a housing. The main assembly is configured and arranged to move between an open configuration that allows a cable to be positioned within a cable guide passage of the housing and a closed configuration that engages the cable in the cable guide passage. The method further includes restricting movement of the main assembly when the housing is in an inverted orientation by engaging a stop member of the main assembly with an anti-inversion pawl.

Brief Description of Drawings

[0008] The present invention can be more easily understood, and further

Claims

1. A cable traveler comprising: a housing forming at least one cable guide passage; a main assembly pivotally coupled to the housing, the main assembly configured and arranged to have an open configuration that allows a cable to be positioned within the at least one cable guide passage and a closed configuration that engages the cable in the at least one cable guide passage; at least one cam arm pivotally coupled to the housing, the at least one cam arm having a first end selectively configured to engage the cable positioned within the at least one cable guide; at least one arm link pivotally coupled to the at least one cam arm, the at least one arm link configured and arranged to move in relation to the at least one cam arm to form the closed configuration and the open configuration; and an anti-inversion pawl configured and arranged to selectively restrict movement of the main assembly when the housing is in an inverted orientation and to selectively restrict movement of the at least one cam and the at least one arm link in relation to each other when the housing is in the inverted orientation.
2. The cable traveler of claim 1, further comprising: the at least one cam arm including a first cam arm and a second cam arm, the first cam arm and the second cam arm being in a parallel configuration to each other; and the at least one arm link including a first arm link and a second arm link, the first arm link and the second arm link being spaced from each other in a parallel configuration, the first and second cam arms being pivotally coupled to the first and second arm links.
3. The cable traveler of claim 2, further comprising: the first arm link having a first arm receiving passage; the second arm link having a second arm receiving passage; and the anti-inversion pawl being slidably held within the first arm receiving passage of the first arm link and the second arm receiving passage of the second arm link.
4. The cable traveler of claim 3, further comprising: the first cam arm having a stop member positioned to engage the anti-inversion pawl when the housing is in the inverted orientation.

5. The cable traveler of claim 1, wherein the inversion pawl further comprises: a base portion that is generally triangular shaped; and a catch portion that extends from the base portion, the catch portion having a first stop wall and a spaced second stop wall that define a catch area.
6. The cable traveler of claim 1, further comprising: a control arm pivotally coupled to the housing, the control arm having an attachment eye configured and arranged to couple a fall protection system to the cable traveler; and a portion of the main assembly positioned to block at least a portion of the attachment eye when the main assembly is in the open configuration.
7. The cable traveler of claim 6, wherein the main assembly further comprises: at least one cam arm pivotally coupled to the housing, the at least one cam arm having an end selectively configured to engage the cable positioned within the at least one cable guide; at least one arm link having a first end portion pivotally coupled to the at least one cam arm and a second end portion pivotally coupled to the control arm, the at least one cam arm, the control arm and the at least one arm link configured and arranged to move in relation to each other to form the closed configuration and the open configuration, the at least one arm link further including a blocking portion that blocks at least a portion of the attachment eye of the control arm when the main assembly is in the open configuration.
8. The cable traveler of claim 1, wherein the main assembly further comprises: a control arm pivotally coupled to the housing, the control arm having an attachment eye configured and arranged to couple a fall protection system to the cable traveler, the control arm further including an energy absorbing portion.
9. The cable traveler of claim 1, wherein the housing further comprises: a first body plate having a lower guide that forms a lower cable guide passage; and a second body plate having an upper guide that forms an upper cable guide passage, the lower cable guide passage being aligned with the upper cable guide passage, the lower guide being spaced from the upper guide to form a cable entry passage, the main assembly pivotally coupled between the first body plate and the second body plate.
10. The cable traveler of claim 1, further comprising: a plunger assembly

configured and arranged to selectively restrict movement of the main assembly.

11. The cable traveler of claim 10, wherein the plunger assembly further comprises: a main portion movably coupled to the housing: and an extending arm stop extending from the main portion, the extending arm stop received in a stop slot passage in the housing; and a plunger biasing member configured and arranged to bias the extending arm stop through the stop slot passage in the housing to selectively engage the main assembly.

12. A method of forming a cable traveler comprising: pivotally coupling a main assembly to a housing, the main assembly configured and arranged to move between an open configuration that allows a cable to be positioned within a cable guide passage of the housing and a closed configuration that engages the cable in the cable guide passage; and restricting movement of the main assembly when the housing is in an inverted orientation by engaging a stop member of the main assembly with an anti-inversion pawl.
13. The method of claim 12, further comprising; restricting movement of the main assembly with an extending arm stop of a plunger assembly.
14. The method of claim 12, further comprising: blocking access to an attachment eye of a control arm that is attached to the main assembly when the main assembly is in the open configuration.