1. A system for releasably coupling a fluid dispenser to a structure, comprising:

a push to connect-pull to disconnect connector system comprising a first and a second mating connectors, wherein the first connector is adapted to be mounted to the dispenser, and the second connector is adapted to be mounted to the structure;

wherein the connector system accomplishes a releasable mechanical interconnection between the dispenser and the structure; and

wherein the fluid dispenser further comprises a stepper motor operably connected to a syringe and adapted to move a plunger, and wherein the connector system further accomplishes an electrical interconnection between the dispenser and the structure;

the first connector has a connection body that defines a connector face entirely circumscribed by a projecting rim, with a male portion of a male/female electrical connector projecting outward from the connector face and a plurality of openings defined in the face on different sides of the projecting electrical connector;

wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body, wherein the fingers each define a groove near distal end of the fingers such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish locking of the first and second connectors;

wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the plurality of openings of the first connector when the rim is received in the grooves; and

wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.

~~2. The system of claim 1 wherein the structure comprises a dispensing system.~~

~~3. The system of claim 2 wherein the fluid dispenser comprises a syringe with a dispensing plunger.~~

~~4. The system of claim 3 wherein the fluid dispenser further comprises a stepper motor operably connected to the syringe and adapted to move the plunger, and wherein the connector system further accomplishes an electrical interconnection between the dispenser and the structure.~~

~~5~~2. The system of claim ~~4~~ 1 wherein the fluid dispenser further comprises a dispenser housing in which the stepper motor is located.

~~6~~3. The system of claim ~~5~~2 wherein the first connector is mounted to the dispenser housing by one or more straps.

~~7~~4. The system of claim ~~5~~2 wherein the dispenser housing defines an outer shape and the first connector defines an outer shape that substantially mirrors ~~is essentially a mirror image of~~ the outer shape of the dispenser housing ~~such that the first connector is mounted to the dispenser housing with little space between them~~.

~~8. The system of claim 7 wherein:~~

~~the first connector has a connector body that defines a connector face entirely circumscribed by a projecting rim, with the male portion of a male/female electrical connector projecting outward from the connector face and a plurality of post-receiving openings defined in the face on different sides of the projecting electrical connector;~~

~~wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body, wherein the fingers each define a groove near their distal end such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish a positive locking of the two connectors;~~

~~wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the receiving openings of the first connector when the rim is received in the grooves; and~~

~~wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.~~

~~9~~5. A method for accomplishing simple and fast coupling and decoupling of a fluid dispenser to a dispensing system, comprising:

providing a push to connect-pull to disconnect connector system comprising a first and a second mating connectors, with the ~~a~~ first connector adapted to be mounted to the dispenser and the ~~a~~ second connector adapted to be mounted to the dispensing system, wherein the connector system accomplishes both mechanical and electrical interconnection between the dispenser and the dispensing system;

mechanically and electrically coupling the dispenser and the dispensing system together by pushing the ~~a~~ first connector into the second connector; and

mechanically and electrically decoupling the dispenser from the dispensing system by pulling the first connector away from the second connector;

the first connector has a connector body that defines a connector face entirely circumscribed by a projecting rim, with a male portion of a male/female electrical connector projecting outward from the connector face and a plurality of openings defined in the face on different sides of the projecting electrical connector;

wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body, wherein the fingers each define a groove near distal end of the fingers such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish locking of the first and second connectors;

wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the plurality of openings of the first connector when the rim is received in the grooves; and

wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.

~~10~~6. The method of claim ~~9~~5 wherein the fluid dispenser comprises a syringe with a dispensing plunger, wherein the fluid dispenser further comprises a stepper motor operably connected to the syringe and adapted to move the plunger, and wherein the fluid dispenser further comprises a dispenser housing in which the stepper motor is located.

~~11~~7. The method of claim ~~10~~6 wherein the first connector is mounted to the dispenser housing by one or more straps.

~~12~~8. The method of claim ~~10~~6 wherein the dispenser housing defines an outer shape and the first connector defines an outer shape that substantially mirrors ~~is essentially a mirror image of~~ the outer shape of the dispenser housing ~~such that the first connector is mounted to the dispenser housing with little space between them~~.

~~13. The method of claim 12 wherein:~~

~~the first connector has a connector body that defines a connector face entirely circumscribed by a projecting rim, with the male portion of a male/female electrical connector projecting outward from the connector face and a plurality of post receiving openings defined in the face on different sides of the projecting electrical connector;~~

~~wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body,~~

~~wherein the fingers each define a groove near their distal end such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish a positive locking of the two connectors;~~

~~wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the receiving openings of the first connector when the rim is received in the grooves; and~~

~~wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.~~

~~14~~9. A connector system for accomplishing simple and fast coupling and decoupling of a fluid dispenser to a dispensing system, comprising:

a push to connect-pull to disconnect connector system comprising a first and a second mating connectors, with ~~a~~ the first connector adapted to be mounted to the dispenser and ~~a~~ the second connector adapted to be mounted to the dispensing system, wherein the connector system accomplishes both mechanical and electrical interconnection between the dispenser and the dispensing system;

wherein the first connector is mounted to the dispenser such that the first connector ~~it~~ lies against a portion of the dispenser, the mounting accomplished by one or more straps that are coupled to the first connector and encircle the dispenser;

the first connector has a connector body that defines a connector face entirely circumscribed by a projecting rim, with a male portion of a male/female electrical connector projecting outward from the connector face and a plurality of openings defined in the face on different sides of the projecting electrical connector;

wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body, wherein the fingers each define a groove near distal end of the fingers such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish locking of the first and second connectors;

wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the plurality of openings of the first connector when the rim is received in the grooves; and

wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.

~~15~~10. The system of claim ~~14~~9 wherein the fluid dispenser comprises a syringe with a dispensing plunger, wherein the fluid dispenser further comprises a stepper motor operably connected to the syringe and adapted to move the plunger, and wherein the fluid dispenser further comprises a housing for the stepper motor.

~~16~~11. The system of claim ~~15~~10 wherein the dispenser housing defines an outer shape and the first connector defines an outer shape that substantially mirrors ~~is essentially a mirror image of~~ the outer shape of the dispenser housing ~~such that the first connector is mounted to the dispenser housing with little space between them~~.

~~17. The system of claim 16 wherein:~~

~~the first connector has a connector body that defines a connector face entirely circumscribed by a projecting rim, with the male portion of a male/female electrical connector projecting outward from the connector face and a plurality of post-receiving openings defined in the face on different sides of the projecting electrical connector;~~

~~wherein the second connector has a connector body that defines a connector face entirely circumscribed by a plurality of projecting flexible fingers that project outward from the body, wherein the fingers each define a groove near their distal end such that the fingers are adapted to snap over the rim of the first connector and the rim is sized and shaped to be accepted into the grooves, to accomplish a positive locking of the two connectors;~~

~~wherein the second connector further defines a plurality of posts projecting outwardly from the face and located, sized and shaped to fit into the receiving openings of the first connector when the rim is received in the grooves; and~~

~~wherein the second connector further defines a female portion of the male/female electrical connector, which is located sized and adapted to receive the male electrical connector portion.~~

~~18~~12. The system of claim ~~17~~9 wherein the fluid is a viscous adhesive.