CLAIMS

1. A drug delivery safety device comprising: a locking element having a body with a proximal end and a distal end, the proximal end being attachable a drug delivery device and the distal end of the locking element having at least one flange with a plurality of mechanically configurable sections having a plurality of removable pre-scored notches to provide a patient specific pattern of receiving openings; a keying element having a proximal end and distal end, the proximal end attachable to a vascular access device, and the distal end having a plurality of mechanically configurable engagement members having a plurality of removable tab-like projections; wherein the drug delivery device securely connects to the vascular access device when the engagement member of the keying element is configured to provide a complementary fit with the patient specific pattern of receiving openings of the locking element.

2. The drug delivery safety device of claim 1 wherein the drug delivery device is a syringe, intravenous catheter connector, IV bag spike, or point of interconnection in an IV administration set.

3. The drug delivery safety device of claim 2 wherein the drug delivery device is a syringe having a tip located in the body of the locking element.

4. The drug delivery safety device of claim 1 wherein the plurality of configurable notches incorporate predetermined geometrical shapes.

5. The drug delivery safety device of claim 4 wherein the configurable notches are on the periphery of the flange.

6. The drug delivery safety device of claim 4 wherein an end user may configure a selected number of notches to create a locking element to distinguish the route of administration.

7. The drug delivery safety device of claim 6 wherein the route of administration is parenteral, enteral or anesthesia.

8. The drug delivery safety device of claim 1 wherein an end user may remove, move, rotate, reshape, melt, reposition, uncover, or puncture one or more of the plurality of mechanically configurable sections.

9. The drug delivery safety device of claim 8 wherein the locking element is configured to be patient specific.

10. The drug delivery safety device of claim 8 wherein the locking element is configured to be application specific.

11. The drug delivery safety device of claim 8 wherein the locking element is configured to be drug specific.

12. The drug delivery safety device of claim 1 wherein the flange has a circular shape.

13. The drug delivery safety device of claim 1 wherein the keying element is rotatable.

14. The drug delivery safety device of claim 13 wherein the keying element is spring-loaded.

15. The drug delivery safety device of claim 1 wherein the locking element further comprises a sensor.

16. The drug delivery safety device of claim 1 wherein the keying element further comprises a sensor.

17. The drug delivery safety device of claim 1 wherein the removable tab-like projections are selectively removed to identify an individual patient, application or drug type.

18. The drug delivery safety device of claim 1 further comprising a visual indicator for drug family identification.

19. The drug delivery safety device of claim 1 wherein the locking element and keying element are associated with only one patient or small number of patients of a larger patient population.

20. The drug delivery safety device of claim 1 further including a master keying element capable of unlocking two or more individualized locking elements.