CLAIMS

1. Trench wall apparatus for creating a trench in the ground, having
   - a base frame;
   - at least one soil excavation means, which is positioned at a bottom end section of the base frame;
   - a holding means for suspending the trench wall apparatus at a top end section of the base frame;
   - a clamping means with at least two clamping elements lying on opposite sides and laterally displaceable, and at least one actuating cylinder, through which the clamping elements can be extended laterally against a wall of the trench in order to clamp at least one part of the trench wall apparatus in the trench, and
   - a pressing means by which a pressing force can be applied to the at least one soil excavation means,
   - wherein the clamping means with the at least two clamping elements and the at least one clamping cylinder are positioned on an intermediate frame, which is mounted along the base frame to a box-like mounting section such that it can be displaced, and
   - wherein the pressing means is positioned between the intermediate frame and the base frame and has several pressing cylinders,
   - wherein
     the pressing cylinders are arranged in a tilted way toward the vertical, wherein the base frame with the soil excavation means can be pressed downward relative to the clamped intermediate frame when actuating the pressing cylinders, and
     that each tilted pressing cylinder is articulated to the base frame on the one hand and to one of the plate-shaped clamping elements on the other hand.

2. Trench wall apparatus according to claim 1,
   wherein
   the intermediate frame is mounted on an external side of the base frame such that it can be displaced.

3. Trench wall apparatus according to claim 1 and 2,

wherein
the intermediate frame (60) is mounted along the box-like mounting section (16) and guided such that it can be displaced.

4. Trench wall apparatus according to any one of claims 1 to 3,
wherein
the intermediate frame has a clamp-like base carriage, on which the clamping elements are mounted such that they can be displaced.

5. Trench wall apparatus according to claim 4,
wherein
several actuating cylinders are positioned between the clamping elements and the clamp-like base carriage.

6. Trench wall apparatus according to any one of claims 1 to 5,
wherein
several first actuating cylinders are provided that are positioned horizontally.

7. Trench wall apparatus according to any one of claims 1 to 6,
wherein
several second actuating cylinders are provided that are tilted toward the horizontal.

8. Trench wall apparatus according to any one of claims 4 to 7,
wherein
each clamping element is connected in a displaceable way to the clamp-like base carriage by at least one pivoted lever.

9. Trench wall apparatus according to claim 1,
wherein
the pressing cylinders are arranged above the intermediate frame.

10. Trench wall apparatus according to any one of claims 1 to 9,
wherein
the trench wall apparatus is designed as a trench cutter, wherein the soil excavation means has at least one cutting wheel.

11. Trench wall apparatus according to any one of claims 1 to 9,
wherein
the trench wall apparatus is designed like a trench grab, wherein the soil excavation means has a grabbing bucket.

12. Method for creating a trench in the ground using a trench wall apparatus according to any one of claims 1 to 11, wherein
- by means of a holding means a base frame of the trench wall apparatus is held at its top end section;
- by means of at least one soil excavation means, which is positioned at a bottom end section of the base frame, soil ~~is~~ being excavated while forming the trench;
- by means of one clamping means at least two clamping elements lying on opposite sides are extended laterally against a wall of the trench by at least one actuating cylinder, wherein at least one part of the trench wall apparatus is clamped in the trench, and
- by means of a pressing means a pressing force is applied to the at least one soil excavation means,
- wherein the clamping means with the at least two plate-like clamping elements and the at least one clamping cylinder are positioned on an intermediate frame, which is mounted along the base frame to a box like mounting section such that it can be displaced;
- wherein the intermediate frame is clamped in the trench and is fixed in regard to the soil by the clamping means, and
- wherein the base frame with the soil excavation means is pressed at the bottom section downward by means of the pressing means having several pressing cylinders,
- wherein
the pressing cylinders are arranged in a tilted way toward the vertical, wherein the base frame with the soil excavation means is pressed downward relative to the clamped intermediate frame when actuating the pressing cylinder, and
that each tilted pressing cylinder is articulated to the base frame on the one hand and to one of the plate-shaped clamping elements on the other hand.