What is claimed:

1. A vertical connector comprising:

a stationary connector part ~~designed for a submerged connecting point~~,

a mobile connector part ~~designed for submerging and connecting~~connectable to the stationary connector part and

a clamp connector ~~which subsequent to the mating of the connector parts locks the connector parts together into permanent sealing connection~~,

wherein said stationary connector part has an upward projecting pipe boss having a diameter,

said mobile connector part has ~~integrated, internally shielding and~~a guiding means to assist by angular ~~deviated~~ deviation entering of the mobile connector part onto the stationary connector part,

said ~~internally~~ guiding means define an internal upper and lower cavity which includes a lower introduction opening which is larger than the diameter of the stationary pipe boss,

said upper cavity is ~~tapering upwards~~ tapered and is smaller than the lower cavity,

said guiding means ~~that define the first and second cavity~~ cooperates with the upward projecting pipe boss during a landing operation of the mobile connector part over the pipe boss to create an aligning force, ~~and~~

said guiding means comprising an upper set of plate elements each having a plate plane and an inward directed plate edge, the plate planes directed in a substantially radially outward direction from the central axis and circumferentially arranged around the central axis;

said mobile connector part carries a sealing ring, wherein said sealing ring is protected by ~~in a shielded way relative to~~ said guiding means, and said sealing ring being ~~designed for engagement~~is engageable with a conical sealing surface on an interior surface of ~~with~~ the pipe boss and said sealing ring is capable of providing a seal with said interior surface of the pipe boss in a subsea environment, and ~~be tightened by the clamp connector into sealing connection.~~

said clamp connector secures the stationary connector and the mobile connector together into a sealing connection.

2. The vertical connector as defined in claim 1, said ~~internal~~ guiding means further comprising:

a lower set of plate elements each having a plate plane~~s~~ and an inward directed plate edge, wherein plate planes point ~~pointing~~ in a substantially radially outward

direction from the central axis and are circumferentially arranged around ~~a~~ the central axis thereof, and

the inward directed plate edges of the lower set of plate elements ~~having~~ have a predetermined contour and define together said lower cavity.

3. The vertical connector as defined in claim 2, said ~~internal~~ guiding means further comprising an integrated annular body defining the lower introduction opening ~~itself~~, and ~~tieing~~ tying the plate elements together.

4. The vertical connector as defined in claim 2, further comprising a plurality of gaps between adjacent ~~wherein the largest gap between respective~~ radially pointing plate elements in the lower set which are are smaller than the diameter of the stationary pipe boss.

5. The vertical connector as defined in claim 1, ~~said internal guiding means comprising an upper set of plate elements having plate planes directed in a substantially radial direction and circumferentially arranged around the central axis and~~ wherein the inward directed plate edges of the upper set of plate elements define ~~together said upper cavity which tapers upward and is smaller than the first cavity.~~a tapered transition between the upper cavity and the lower cavity.

6. The vertical connector as defined in claim ~~5~~1, further comprising a plurality of gaps between the adjacent ~~wherein the largest distance between respective~~ radially pointing plate elements in the upper set which are smaller than the diameter of the pipe boss.

7. The vertical connector as defined in claim 6, said stationary connector part comprising a number of guide plates arranged circumferentially around the pipe boss and extending in an axial longitudinal direction and pointing outward in a radial direction.

8. The vertical connector as defined in claim 7, said stationary connector part further comprising a base board functioning as an attachment to secure a tool.

9. The vertical connector as defined in claim 8, said guide plates of the stationary connector part comprising a ~~predetermined, specially designed~~ contour on a surface pointing radially outward~~, said surfaces constitute the~~ for guiding ~~means for~~ the mobile connector part, ~~said~~ an annular body of the mobile connector part first ~~hits~~ hitting an~~the~~ upper portion of at least one of the surfaces and ~~creates~~ creating an aligning moment.

10. The vertical connector as defined in claim 9, said clamp connector comprising ~~a clamp type connector having~~ internally arranged annular inclined surfaces which by circumferential activation forces two pipe flanges axially towards each other, where one of the pipe flanges has the sealing ring, said sealing ring having ~~with~~ externally arranged annular inclined surfaces installed.

11. The vertical connector as defined in claim ~~10~~1, said mobile connector part comprising at least one adapted attachment for installation of a tool, said attachment being arranged on an annular body.

12. The vertical connector as defined in claim 11, further comprising a second set of plate elements arranged with such distance apart that access into the upper cavity by a tool is created for possible replacement of the seal.

~~13. The vertical connector as defined in claim 9, said connector comprising a collet type connector having internally arranged annular inclined surfaces which by activation force two pipe flanges axially towards each other, where one of the pipe flanges has the sealing ring with externally arranged annular inclined surfaces installed.~~