**Claims:**

1. A pipe connecting apparatus, suitable for use in subsea environments, for clamping flanged ends of two pipes, the apparatus comprising:
   a first assembly and a second assembly, each assembly comprising a plurality of pipe engaging segments connected by an outer band in an arcuate configuration, wherein the plurality of pipe engaging segments include:
      at least one inner pipe engaging segment coupled to the outer band such that the outer band extends along an entire length of the at least one inner pipe engaging segment; and
      at least one outer pipe engaging segment coupled the outer band at an end of the outer band such that the outer pipe engaging segment extends beyond the end of the outer band; and
   wherein each segment comprises a longitudinal arcuate channel having tapered side walls defining a channel for receiving the flanged ends; and
   the apparatus further comprising two adjustable connecting members for connecting the first assembly to the second assembly, so as to clamp the assemblies around the flanged ends.

2. The pipe connecting apparatus according to claim 1 wherein the side walls are tapered at an angle of from about $5^{O}$ to $22^{O}$.

3. The pipe connecting apparatus according to claim 1 or claim 2 wherein the side walls are tapered at an angle of from about $5^{O}$ to $15^{O}$.

4. The pipe connecting apparatus according to anyone of claims 1, 2 or 3 wherein the first assembly and second assembly each comprise three to five pipe engaging segments.

5. The pipe connecting apparatus according to anyone of claims 1 to 4 wherein the first assembly and second assembly each comprise four pipe engaging segments.

6. The pipe connecting apparatus according to anyone of claim 1 to 5 wherein the at least one outer pipe engaging segment of each assembly comprises a lug for receiving one of the connecting members.

7. The pipe connecting apparatus according to claim 6 wherein each lug comprises a recessed area and a hemispherical washer located within the recessed area.

8. The pipe connecting apparatus according to claim 6 or 7 wherein apertures for receiving the connecting members through the lugs of the first assembly comprise a different configuration from apertures for receiving the connecting members through the lugs of the second assembly.

9. The pipe connecting apparatus according to anyone of claims 1 to 8 wherein the bands are connected to the segments by studs or bolts.

10. The pipe connecting apparatus according to anyone of claims 1 to 9 wherein the bands are connected to the segments by a key and keyway mechanism.

11. The pipe connecting apparatus according to anyone of claims 1 to 10 wherein the bands are connected to inner pipe engaging segments by a first mechanism and the bands are connected to inner pipe engaging segments by a second mechanism, wherein the first and second mechanisms are different.

12. The pipe connecting apparatus according to anyone of claims 1 to 11 wherein the band and pipe engaging segments comprise a steel alloy.

13. The pipe connecting apparatus according to anyone of claims 1 to 12 wherein the band and pipe engaging segments are composed of different materials.

14. The pipe connecting apparatus according to anyone of claims 1 to 13 wherein the pipe engaging segments comprise an anti-friction coating.

15. The pipe connecting apparatus according anyone of claims 1 to 14 wherein the connecting members comprise a bolt and nut arrangement.

16. A method of securing a first pipe to a second pipe or further subsea installation, suitable for use in subsea environments, comprising arranging the pipe connecting apparatus according to anyone of claims 1 to 15 around flanged hubs of the first pipe and second pipe or further installation; and
applying torque to the connecting members of the pipe connecting apparatus to clamp the pipe connecting apparatus about the first pipe and second pipe or further installation.

17. A method according to claim 16 comprising engaging a torque device to each connecting member of the pipe connecting apparatus; and

simultaneously applying torque to the first and second connecting members to clamp the pipe connecting apparatus about the pipe.