pipe segment 3-3 or may be applied as separate members. The pipe segment 3-3 is then brought downward (arrow 101) to bring it in between host pipes 3-1 and 3-2, and connect the end flanges of the aligned end flange members and coupling members 1 to each other.

Referring to figure 11C, two host pipes (3-1 and 3-2) do not extend substantially horizontal, and in fact their center axis extends under non-zero acute angles (102, 103) with ground level 100. Coupling members 1-1 and 1-2 are provided at ends of the host pipes 3-1 and 3-2 and aligned by the above-described alignment device (6, 7) (not shown in the figures for clarity) such that their central axis extends substantially coaxial with the central axis of said host pipes 3-1 and 3-2. The end flange members 1-3-1 and 1-3-2 provided at both ends of intermediate pipe segment 3-3 are aligned such that their central axis extends substantially coaxial with the central axis of said intermediate pipe segment 3-3. It is rather difficult to install the intermediate pipe segment 3-3 in this configuration since the end flanges of the end flange members and the coupling members 1 are not mutually aligned. The configuration shown in figure 11C is less optimal, as it is difficult to install and to obtain a water tight connection.

The method shown in figure 11B provides a solution for this problem. Referring to figure 11B, two host pipes (3-1 and 3-2) do not extend substantially horizontal, and in fact their center axis extends under a non-zero acute angle (102, 103) with ground level 100. Coupling members 1-1 and 1-2 are provided at ends of the host pipes 3-1 and 3-2 in this embodiment such that one of the first or second alignment elements provides a mating surface that extends in a plane under a non-zero acute angle with the central axis of the host pipes 3-1 and 3-2. The alignment device (6, 7) in this embodiment makes it possible that the central axis of the coupling elements (1-1 and 1-2) does not extend substantially coaxial with the central axis of said host pipes 3-1 and 3-2. In this manner, the end flange 10 of the coupling members (1-1 and 1-2) may be aligned substantially vertical to ground level 100, such that it may mate with end flanges of the end flange members 1-3-1 and 1-3-2 provided on the intermediate pipe segment 3-3. This allows the intermediate pipe segment 3-3 to be easily installed.

In figure 12A is schematically shown how a first alignment element 6 may be secured onto the a host pipe. An aligning tool aid 5 may be used to accomplish this whereby the

CLAIMS

1. Method for rehabilitating a pipeline with a liner of reinforcing fibers and a curable resin composition, the method comprising:

- providing a coupling member configured to connect a liner to other pipeline elements and comprising reinforcing fibers and a resin composition that is substantially fully cured in a first part of the coupling member;
- providing an alignment device comprising a first and a second alignment element;
- connecting the first alignment element to an end of a host pipe and the second alignment element to the coupling member to axially align the host pipe and the coupling member by providing mating surfaces when the coupling member is provided against the host pipe end;
- bringing the coupling member towards the host pipe such that the second alignment element provided on the coupling member is provided against the first alignment element provided on the host pipe;
- attaching the coupling member to the host pipe end by using the alignment elements;
- providing a length of the liner through the host pipe;
- providing a length of the liner through the coupling member;
- exposing the curable resin composition of the liner in a joining section of the liner;
- pressurizing a joining section of the liner that is received in the coupling member to bring it against an interior surface of a second part of the coupling member; and
- curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.

2. Method according to claim 1, wherein the first alignment element comprises a plate or plate section, a mating surface whereof extends from an outer surface of the host pipe end, when connected thereto, in a plane under a non-zero acute angle with the central axis of the host, and preferably in a plane substantially perpendicular to the central axis of the host pipe.

3. Method according to claim 1or 2, wherein the first alignment element is removably attached to the host pipe end.

4. Method according to any one of the preceding claims, wherein connecting a first alignment element to an end of the host pipe comprises axially aligning the first alignment element and the host pipe end using an aligning tool aid.

5. Method according to any one of the preceding claims, wherein the second alignment element comprises a plate or plate section, a mating surface whereof extends from an outside surface of the coupling member, when connected thereto, in a plane under a non-zero acute angle with the central axis of the coupling member, and preferably in a plane substantially perpendicular to a central axis of the coupling member.

6. Method according to any one of the preceding claims, wherein the second alignment element is removably attached to the coupling member.

7. Method according to any one of the preceding claims, wherein the coupling member is provided against the host pipe end, and the first and second alignment elements are connected to axially align the host pipe end and the coupling member by providing mating surfaces.

8. Method according to any one of the preceding claims, wherein the second part of the coupling member comprises dry reinforcing fibers, and the liner curable resin composition is accepted by the dry reinforcing fibers of the second part in the step of pressurizing the joining section of the liner and/or curing the curable resin composition of the liner.

9. Method according to any one of claims 1-7, wherein the second part of the coupling member is provided with a curable resin composition before the step of curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.

10. Method according to any one of the preceding claims, wherein the second part of the coupling member is covered by a UV-resistant foil, and the foil is removed before the step of pressurizing the joining section of the liner.

11. Method according to claim 9 or 10, wherein the curable resin composition comprises a composition that is substantially similar to the composition of the curable resin composition of the liner, or comprises the curable resin composition of the liner.

12. Method according to any one of the preceding claims, wherein the liner comprises a UV-curable resin composition, and a UV-resistant coating layer, and the coating layer is removed in the joining section of the liner.

13. Method according to claim 12, wherein the coating layer is removed before the step of curing the resin composition of the liner, and preferably before the step of pressurizing the joining section of the liner.

14. Method according to any one of the preceding claims, wherein providing a length of the liner through the host pipe and through the coupling member is carried out by pulling in the liner.

15. Method according to any one of the preceding claims, wherein providing a length of the liner through the host pipe and through the coupling member is carried out by inverting the liner.

16. Method according to any one of the preceding claims, wherein a part of the cured liner that is exposed outside the host pipe and the associated coupling member is removed.

17. Method according to any one the preceding claims, further comprising the step of coupling the coupling member to another pipeline component.

18. Method according to claim 17, wherein the coupling comprises bolting a flange portion of the coupling member to a flange portion of the another pipeline component.

19. Method according to any one of the preceding claims, the method comprising the consecutive steps of:

- first providing the alignment device and connecting the first alignment element to an end of the host pipe and the second alignment element to the coupling member to axially align the host pipe and the coupling member by providing mating surfaces when the coupling member is provided against the host pipe end;
- then bringing the coupling member towards the host pipe such that the second alignment element provided on the coupling member is provided against the first alignment element provided on the host pipe;
- then attaching the coupling member to the host pipe end;
- then providing a length of the liner through the host pipe and through the coupling member attached to the host pipe;
- then detaching the coupling member from the host pipe to give access to the joining section of the liner;
- then exposing the curable resin composition of the liner in the joining section;
- then reattaching the coupling member to the host pipe end;
- then pressurizing the joining section of the liner that is received in the coupling member to bring it against an interior surface of a second part of the coupling member; and - then curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.

20. Method according to any one of the claims 1-18, the method comprising the consecutive steps of:

- first providing the alignment device and connecting the first alignment element to an end of the host pipe and the second alignment element to the coupling member to axially align the host pipe and the coupling member by providing mating surfaces when the coupling member is provided against the host pipe end;
- then providing a length of the liner through the host pipe and through the coupling member that is not yet attached to the host pipe;
- then exposing the curable resin composition of the liner in the joining section;
- then bringing the coupling member towards the host pipe such that the second alignment element provided on the coupling member is provided against the first alignment element provided on the host pipe;
- then attaching the coupling member to the host pipe end;

- then pressurizing the joining section of the liner that is received in the coupling member to bring it against an interior surface of a second part of the coupling member; and
- then curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.

21. Method according to any one of the claims 1-18, the method comprising the consecutive steps of:
- first providing the alignment device and connecting the first alignment element to an end of the host pipe and the second alignment element to the coupling member to axially align the host pipe and the coupling member by providing mating surfaces when the coupling member is provided against the host pipe end;
- then providing a length of the liner through the host pipe only;
- then exposing the curable resin composition of the liner in the joining section;
- then providing an end of the liner inside the coupling member and bringing the coupling member towards the host pipe such that the second alignment element provided on the coupling member is provided against the first alignment element provided on the host pipe;
- then attaching the coupling member to the host pipe end;
- then pressurizing the joining section of the liner that is received in the coupling member to bring it against an interior surface of a second part of the coupling member; and
- then curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.

22. Method according to any one of the claims 1-18, the method comprising the consecutive steps of:
- first providing the alignment device and connecting the first alignment element to an end of the host pipe and the second alignment element to the coupling member to axially align the host pipe and the coupling member by providing mating surfaces when the coupling member is provided against the host pipe end;
- then providing a length of the liner at least through the host pipe only;
- then providing an end of the liner inside the coupling member;
- then exposing the curable resin composition of the liner in the joining section;

- then bringing the coupling member towards the host pipe such that the second alignment element provided on the coupling member is provided against the first alignment element provided on the host pipe;
- then attaching the coupling member to the host pipe end;
- then pressurizing the joining section of the liner that is received in the coupling member to bring it against an interior surface of a second part of the coupling member; and
- then curing the curable resin composition of the liner to form a functional joint between the coupling member second part and the liner joining section.