CLAIMS

1. A repair method for repairing a liquified natural gas transport and/or storage tank wall (4), the tank wall (4) comprising at least one membrane (6) and a plurality of reinforcers (12), the membrane (6) comprises a plurality of corrugations (7) in at least one of which at least one reinforcer (12) is placed, the reinforcer (12) extends in a main direction of elongation and comprises at least an external wall (17) which delimits a cavity (18) of the reinforcer (12), during which repair method, in at least one step, the reinforcer (12) is cut in a direction secant to its main direction of elongation so as to form at least a first reinforcer portion (24) and a second reinforcer portion (25) that are separable from the tank wall (4), in another step, the first reinforcer portion (24) and the second reinforcer portion (25) are substituted by at least two replacement portions (27), and in another step, a sleeve (28) is inserted into the cavity (18) of the at least two replacement portions (27).

2. The repair method as claimed in claim 1, wherein the plurality of reinforcers (12) comprises an adjacent reinforcer (33) adjacent to the reinforcer (12) that is cut, the adjacent reinforcer (33) being aligned along the main direction of elongation, during which method the sleeve (28) is slipped into the adjacent reinforcer (33) prior to the positioning of the replacement portion (27).

3. The repair method as claimed in claim 2, during the course of which the sleeve (28) is immobilized in the adjacent reinforcer (33).

4. The repair method as claimed in claim 1 or 3, during the course of which the sleeve (28) is inserted into the cavity (18) of the replacement portions (27) after the positioning of these replacement portions (27) on the tank wall (4).

5. The repair method as claimed in the preceding claim, during the course of which the sleeve (28) is given a translational movement in the main direction of elongation of the reinforcer (12) from the adjacent reinforcer (33) as far as into the cavities (18) of the replacement portions (27).

6. The repair method as claimed in the preceding claim, during the course of which the sleeve (28) is immobilized in the cavities (18) of the replacement portions (27).

7. The repair method as claimed in claims 2 and 6, during the course of which a cavity (18) of the adjacent reinforcer (33) is closed off to prevent the sleeve (28) from effecting a translational movement therein.

8. The repair method as claimed in any one of the preceding claims, during the course of which, prior to the step of cutting the reinforcer (12), a portion (P) of membrane (6) positioned facing the reinforcer (12) is removed.

9. The repair method as claimed in claims 7 and 8, during the course of which a membrane (6) repair patch (32) is secured facing the reinforcer (12).