Claims

1. A rope chain comprising:

a double helix structure comprising a first plurality of links intertwined with a second plurality of links to form a plurality of grooves;
wherein both the first plurality of links and the second plurality of links comprise at least one facet;
wherein each facet is located directly adjacent to one of the plurality of grooves.

2. The rope chain according to claim 1, wherein the double helix structure has a substantially curved peripheral surface.

3. The rope chain according to claim 2, wherein the substantially curved peripheral surface comprises a portion of the first plurality of links that does not have a facet and a portion of the second plurality of links that does not have a facet.

4. The rope chain according to claim 1, wherein the at least one facet on the first plurality of links are on a different plane from the at least one facet on the second plurality of links.

5. The rope chain according to claim 1 or 4, wherein the at least one facet on the first plurality of links and the at least one facet on the second plurality of links are facing inwards and towards the longitudinal centre of the rope chain.

6. The rope chain according to claim 5, wherein the at least one facet on the first plurality of links and the at least one facet on the second plurality of links are at an angle of about 35 degrees from the longitudinal centre of the rope chain.

7. The rope chain according to any one of the preceding claims, wherein the at least one facet on the first plurality of links and the at least one facet on the second plurality of links is bigger on one side and smaller on the other side of the groove.

8. The rope chain according to any one of the preceding claims, wherein the first plurality of links is made up of a hollow wire or a solid wire.

9. The rope chain according to claim 8, wherein the second plurality of links is made up of a hollow wire or a solid wire.

10. The rope chain according to any one of the preceding claims, wherein the first plurality of links and the second plurality of links have a substantially circular cross-section.

11. The rope chain according to any one of the preceding claims, wherein each facet directly adjacent to the plurality of grooves has a uniform surface area.

12. The rope chain according to any one of the preceding claims, further comprising an engaging means capable of attaching a first end of the double helix structure to a second end of the double helix structure.

13. The rope chain according to claim 12, wherein the engaging means is a clasp.

14. A method of manufacturing a rope chain, comprising:

providing a double helix structure comprising a first plurality of links intertwined with a second plurality of links to form a plurality of grooves;

creating at least one facet on both the first plurality of links and the second plurality of links;

wherein each facet is located directly adjacent to one of the plurality of grooves.

15. The method of claim 14, wherein the step of creating the at least one facet on the first plurality of links and/or the second plurality of links makes use of a faceting structure capable of holding and mounting the rope chain.