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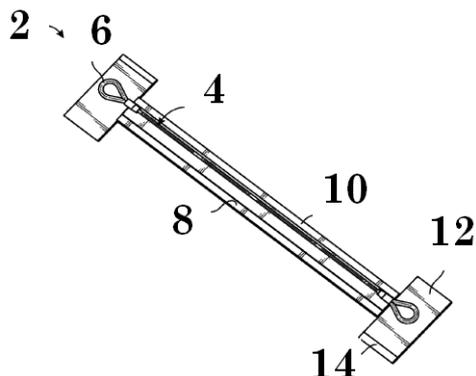
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Wire rope protection sleeve

Pat. 9,809,427 U.S. class B66C 1/122 Int. class B66C 1/12
Inventor: Bryce Elliott Randle, Highlands Ranch, CO.
Assignee: Spoked Solutions LLC., Houston, TX.

A protection sleeve is provided for a wire rope to prevent the wire rope from contacting other components in an oil and gas operation. The protection sleeve, in some embodiments, has a body that substantially corresponds to the wire portion of the wire rope, and the protection sleeve has specialized flaps at the ends of the body that correspond to thimble eyes of the wire rope. The protection sleeve may have a variety of configurations to accommodate different aspects of a wire rope or any other device that necessitates protection.

Now referring to figures 17 and 18, perspective views of



Pat. 9,809,427

Figure 17: First perspective view of a wire rope and an unassembled protection sleeve.

a wire rope protection sleeve 2 are provided. Also provided is a wire rope 4 that has first and second ends with thimble eyes 6 positioned at each end. The thimble eyes 6 are loops that allow the wire rope 4 to be selectively interconnected to different equipment, for example, lifting equipment for oil and gas operations. It will be appreciated that other components, or no components at all, may be located at the ends of the wire rope 4. For example, end of the wire rope 4 may not comprise any additional components and the other end of the wire rope 4 may comprise a wire rope clip.

The protection sleeve 2 is configured to selectively assemble and disassemble around the wire rope 4 to prevent metal:metal contact between the wire rope 4 and components with sensitive metal compositions such as some casings and tubulars. In the embodiment shown in figures 17 and 18, the protection sleeve 2 has a body 8 substantially extending along the length of the wire rope 4. A flap 12 is disposed at either end of the body 8 of the protection sleeve 2. In some embodiments, the flaps 12 correspond to the thimble eyes 6 of the wire rope 4. It will be appreciated that the particular number and orientation of the flaps 12 may depend on the type of wire rope 4. For instance, in some embodiments, the protection sleeve 2 has only one flap 12 to correspond to one thimble eye 6 on the wire rope 4.

Fasteners are provided that allow the protection sleeve 2 to selectively interconnect upon itself to assemble around the wire rope 4. The body 8 of the protection sleeve 2 has a body fastener 10 extending along one side of the sleeve 2 and between two ends of the sleeve 2. When the protection sleeve 2 is assembled and the body 8 of the sleeve 2 is wrapped around the wire rope 4, the body fastener 10 selectively in-

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