

Title (en)

APPARATUS AND METHOD FOR FORMING AN EXTERNAL GUARD MEMBER ON A HOSE

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Application

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Priority

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Abstract (en)

[origin: EP0070977A1] This invention relates to an apparatus (10) and a method for forming, in situ, an external guard member (12), preferably of a spring steel wire material, on a hose (14). Spring steel wire is highly desirable as a material for guard members. Heretofore it has been necessary to preform the spring steel wire on a coiling machine and install precut lengths of the coil onto partially assembled hoses. The present invention overcomes the above problems of construction and assembly by providing an apparatus (10) and a method for forming the preferred spring steel wire guard member (12) in situ on a hose (14) having fittings preassembled on both ends. The apparatus (10) includes a forming head (20) having separable first and second portions (46, 48). A plurality of radially spaced die members (60) are provided on the first and second portions (46, 48) to fully form two complete coils of a guard member (12). The apparatus (10) and method of the present invention is particularly useful for forming spring steel wire guard members on high pressure hydraulic hoses subjected to severe service applications.

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