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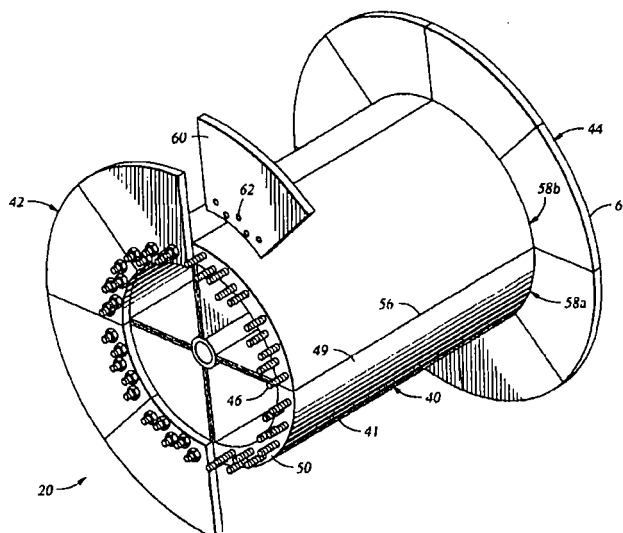
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(54) Title: COILED TUBING HANDLING SYSTEM AND METHODS



(57) Abstract: Coiled tube handling systems and methods for deploying the tubing at a well site. The handling system includes a master reel (20) configured to store an extended length of composite tubing (28) which has a plurality of sections. In one embodiment the reel has a drum (40) and a pair of detachable sidewalls (42, 46) each of which has a plurality of flanges (60). In another embodiment the drum includes a radial splitline (56) that defines substantially identical securably matable drum sections. The drum diameter is selected to introduce a strain of 2 % or less in the composite coiled tubing. Once the design for the components of the reel has been established the components may be shipped to the well site where the master reel is assembled and shorter lengths of tubing that have been delivered on individual reels are connected and spooled onto the master reel.

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