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Kanel

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[54] **DEVICE FOR INSERTING A LINEAR ARRAY MODULE INTO LONG SMALL DIAMETER PRESSURE VESSELS**

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[58] Field of Search 254/134.3 FT, 254/134.3 R, 134.5

[56] **References Cited**

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[57] **ABSTRACT**

An apparatus for loading a linear array module into a pressure vessel includes a first rotatable winch positioned adjacent a first end of the pressure vessel, a second rotatable winch positioned adjacent a second end of the pressure vessel, a movable belt initially wrapped around the first rotatable winch, and a device for attaching the linear array module to the movable belt. First and second pulling members are attached between first and second ends of the linear array module and the first and second rotatable winches, respectively, and a device for selectively engaging and disengaging the first and second rotatable winches, according to a direction of movement of the movable belt through the pressure vessel is provided. Upon engagement of the second rotatable winch and disengagement of the first rotatable winch, the movable belt transportingly supports the linear array module into an interior of the pressure vessel, and upon engagement of the first rotatable winch and disengagement of the second rotatable winch, the movable belt transportingly supports the linear array during an extraction thereof from the interior of the pressure vessel.

11 Claims, 2 Drawing Sheets

