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Rutledge, Sr. et al.

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(54) **METHOD OF ASSEMBLING SUCKER RODS AND END FITTINGS**

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G05G 1/12 (2006.01)

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See application file for complete search history.

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Primary Examiner — Philip C Tucker

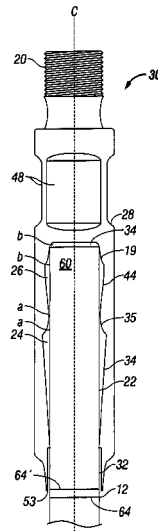
Assistant Examiner — Brian R Slawski

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(57) **ABSTRACT**

An improved design and a method of assembly of end fittings to sucker rods which may be of conventional length or continuous sucker rods is described herein. The end fittings and rods are assembled so as to form wedges which enhance the connectability of the end fitting to the rod, and further, the wedge or wedges approach the rod asymptotically so as to avoid any abrupt discontinuities in the wedge or wedges thus substantially eliminating stress concentration areas and potential failure areas in the rod. The assembly method provides for integrity in the rod to end fitting assembly to promote longer connection life and fewer shop rejections and field failures.

12 Claims, 4 Drawing Sheets



US 8,062,463 B2

Page 2

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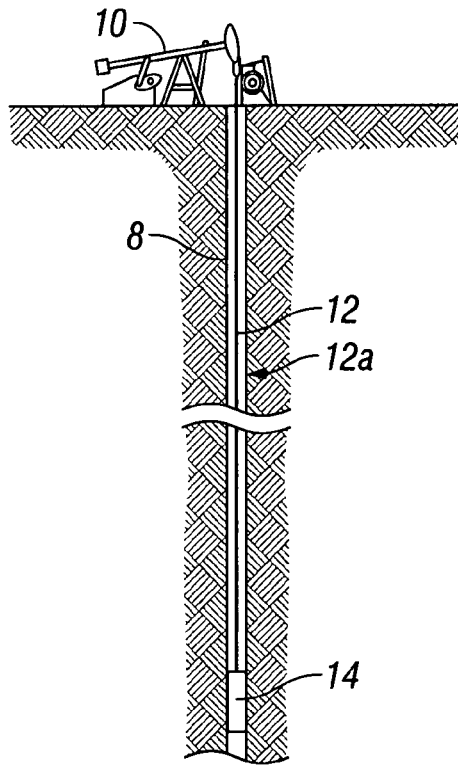


FIG. 1

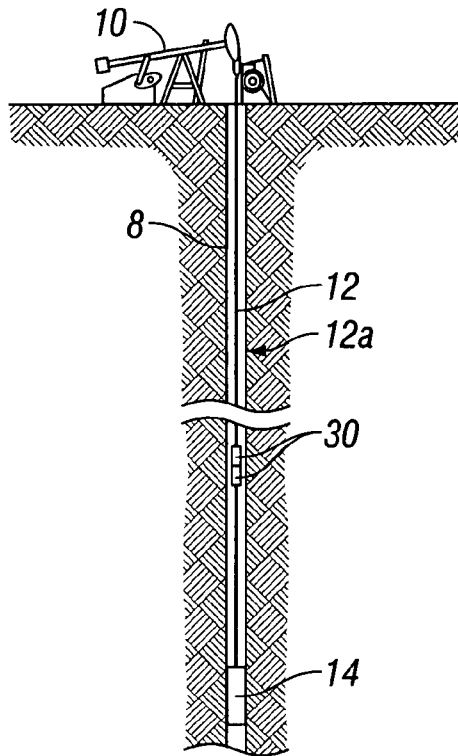


FIG. 1A

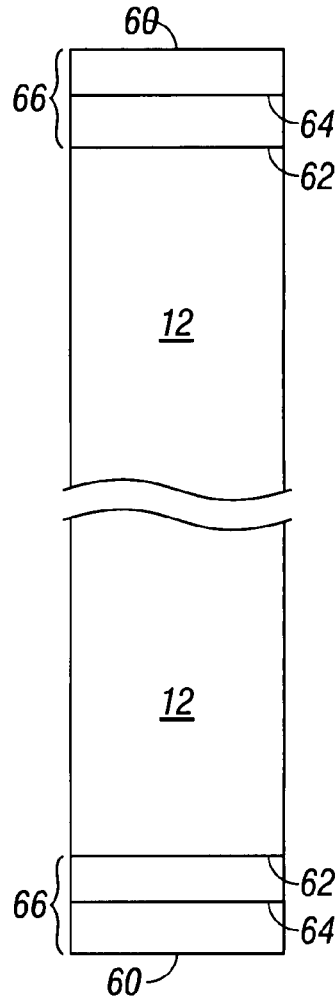
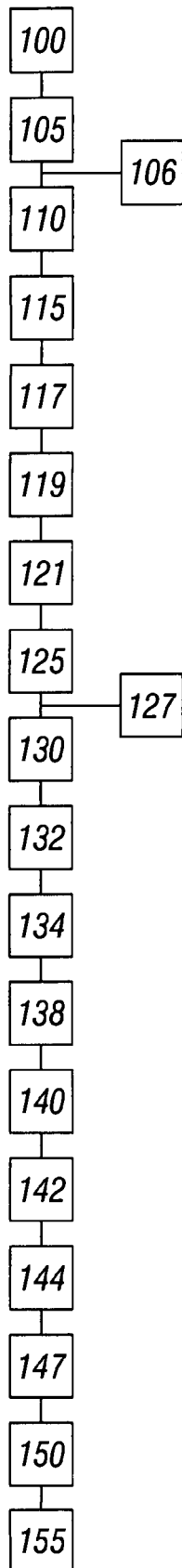


FIG. 3

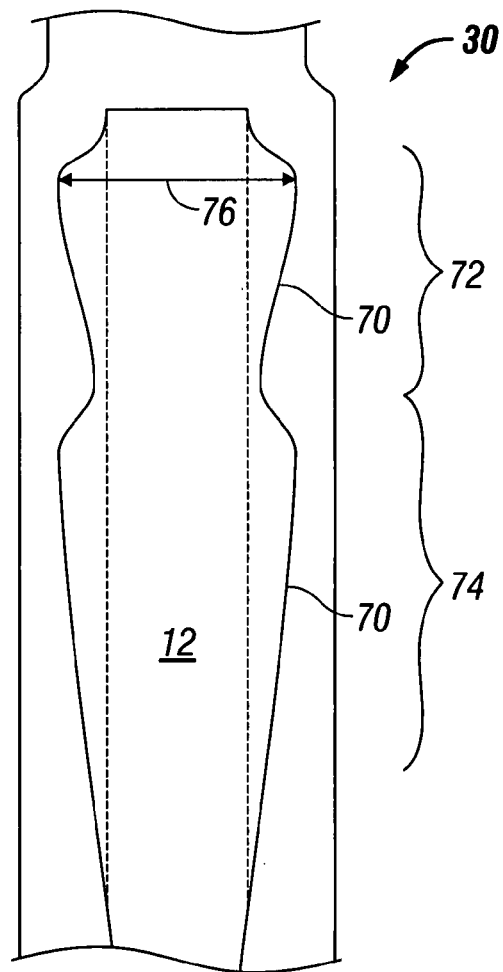
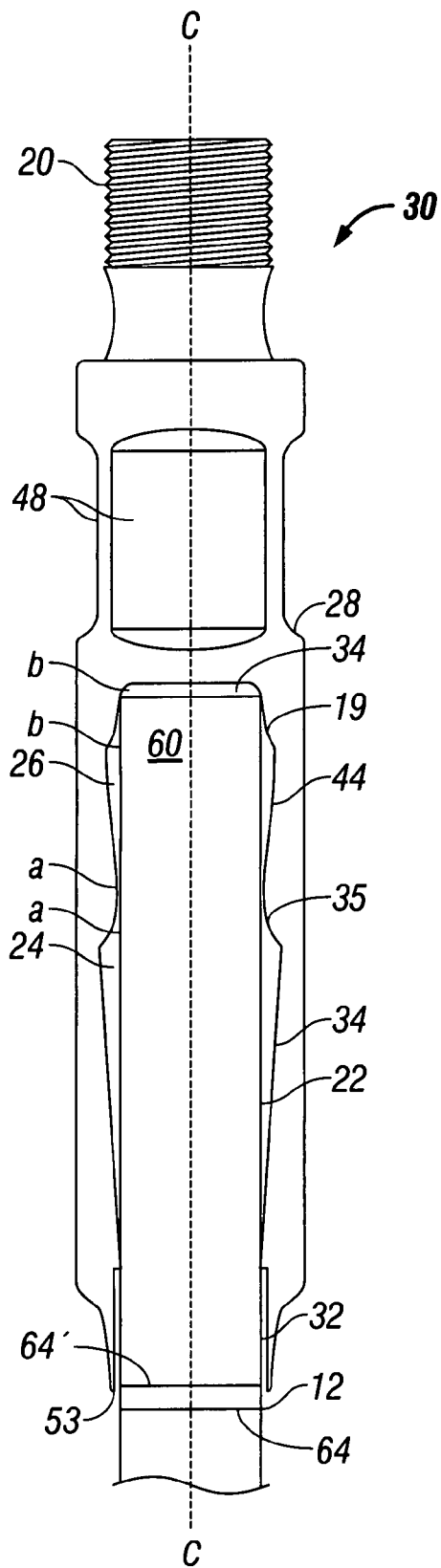


FIG. 4A

FIG. 4

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