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Rutledge et al.

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(54) **SUCKER ROD APPARATUS AND METHOD**

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Related U.S. Application Data

(63) Continuation-in-part of application No. 13/136,715, filed on Aug. 9, 2011, now Pat. No. 8,851,162.

(51) **Int. Cl.**

E21B 17/04 (2006.01)
E21B 43/12 (2006.01)
E21B 17/10 (2006.01)

(52) **U.S. Cl.**

CPC **E21B 17/04** (2013.01); **E21B 17/1071** (2013.01); **E21B 43/127** (2013.01); **Y10T 403/47** (2015.01); **Y10T 403/473** (2015.01); **Y10T 403/7039** (2015.01)

(58) **Field of Classification Search**

None
See application file for complete search history.

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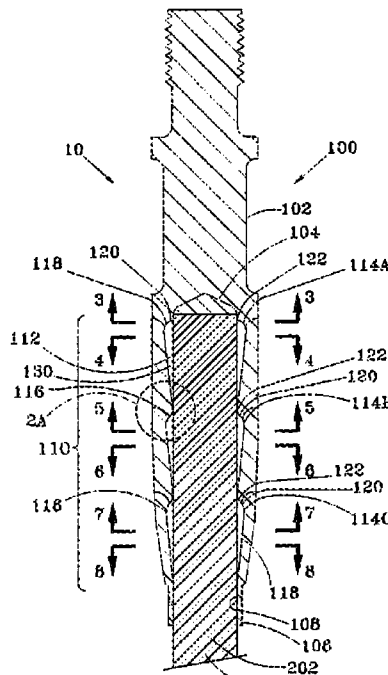
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Primary Examiner — Giovanna C Wright

(57) **ABSTRACT**

The present disclosure relates to a fiberglass rod with connectors on each end. Each connector has a rod-receiving receptacle having an open end, a closed end, and axially spaced annular wedge shaped surfaces such that the compressive forces between the rod and the respective connector are defined by the shape of the wedged surfaces.

81 Claims, 6 Drawing Sheets



Petitioners' Exhibit 1024

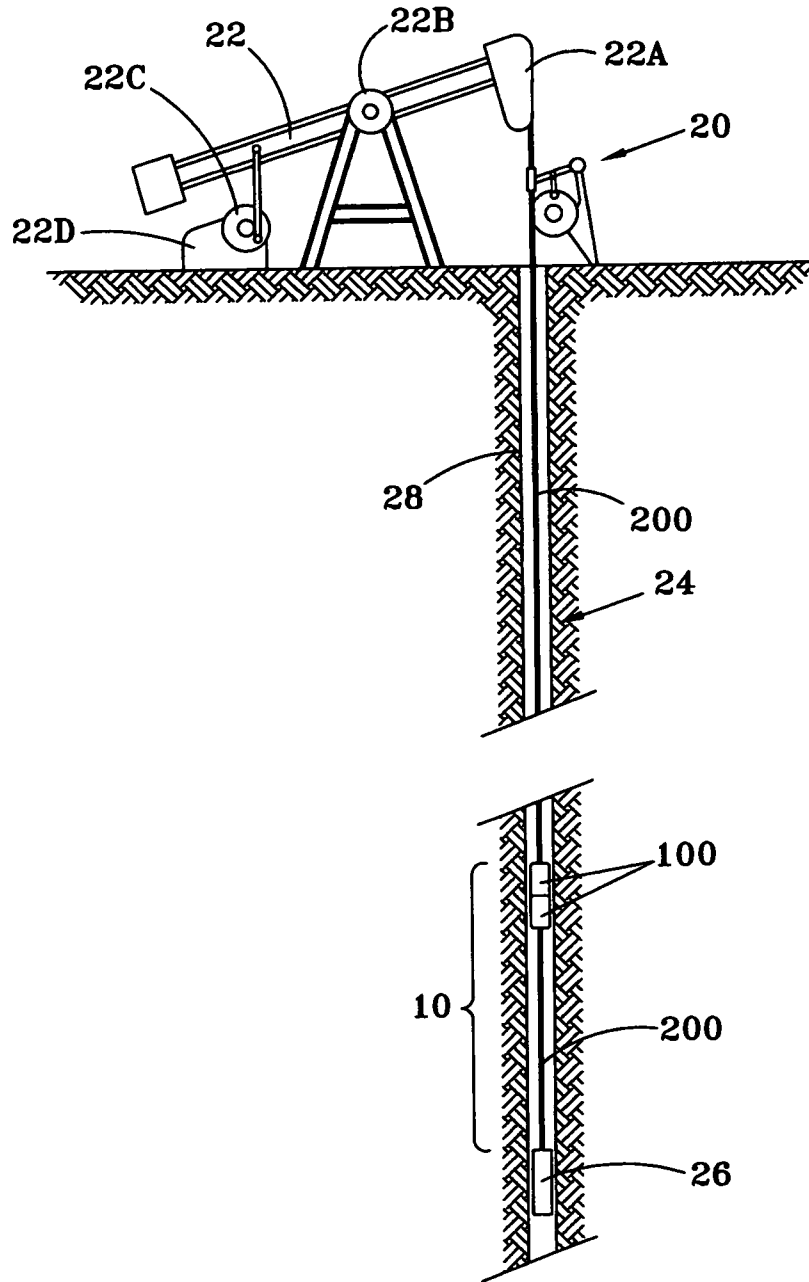


FIG. 1

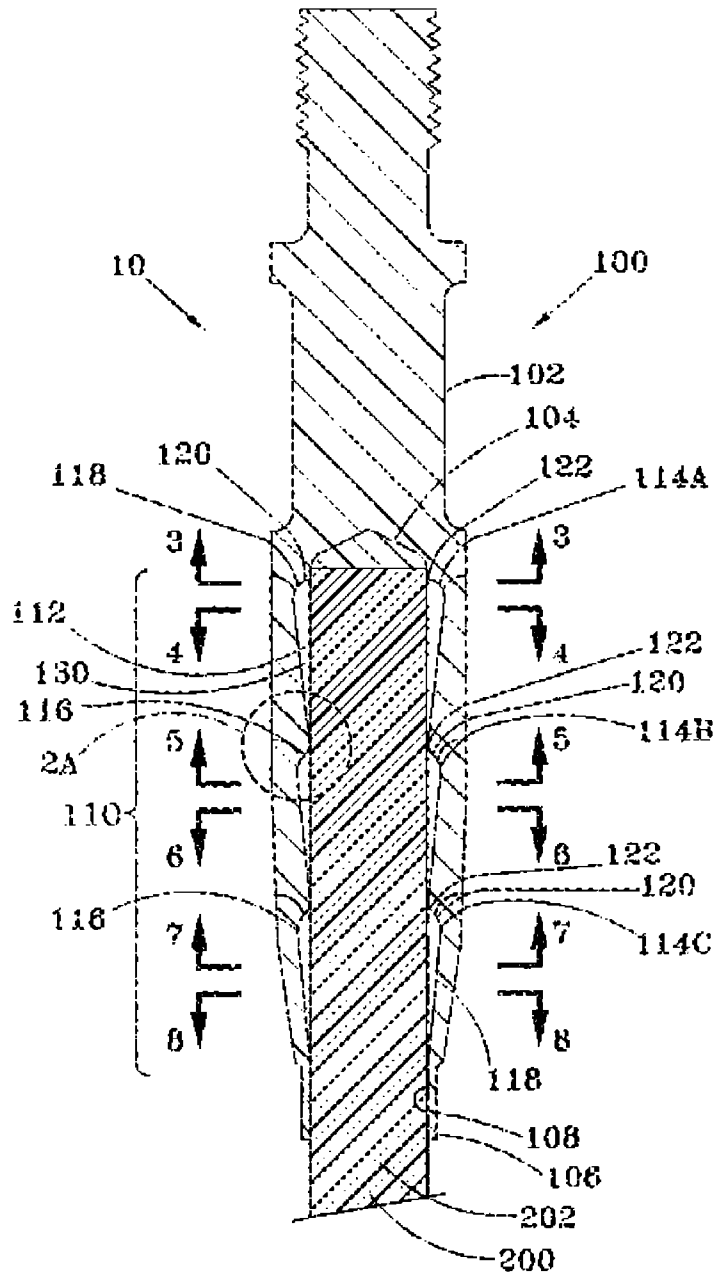


FIG. 2

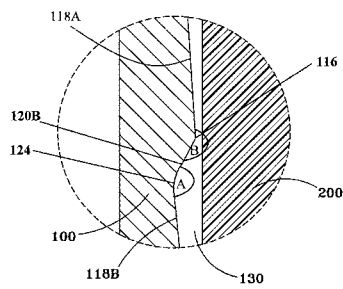


FIG. 2A

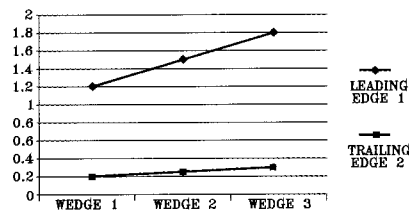


FIG. 9

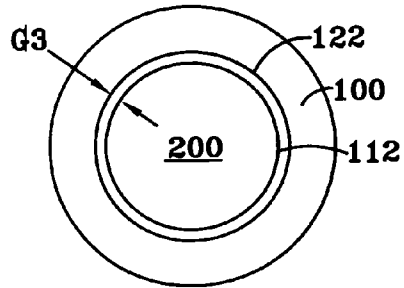


FIG. 3

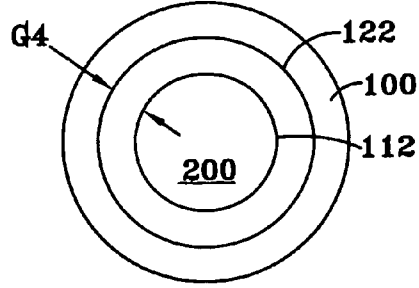


FIG. 4

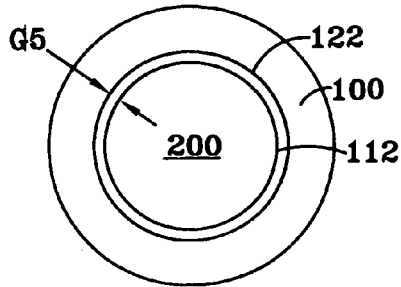


FIG. 5

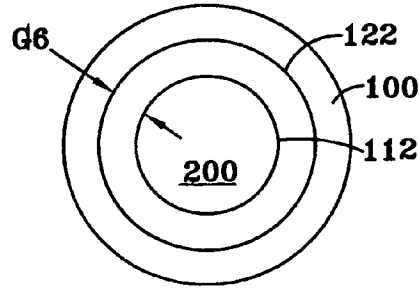


FIG. 6

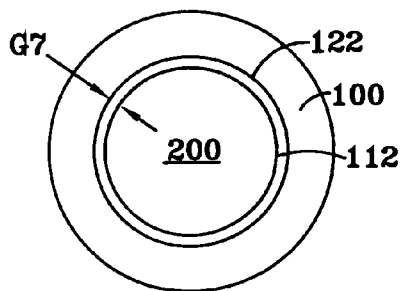


FIG. 7

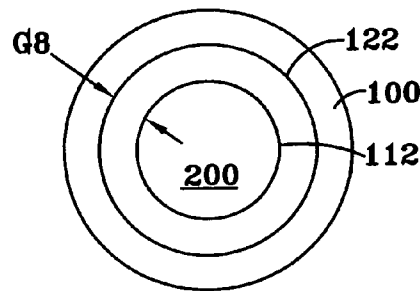


FIG. 8

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