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(54) Title: FRAC ADAPTER FOR WELLHEAD

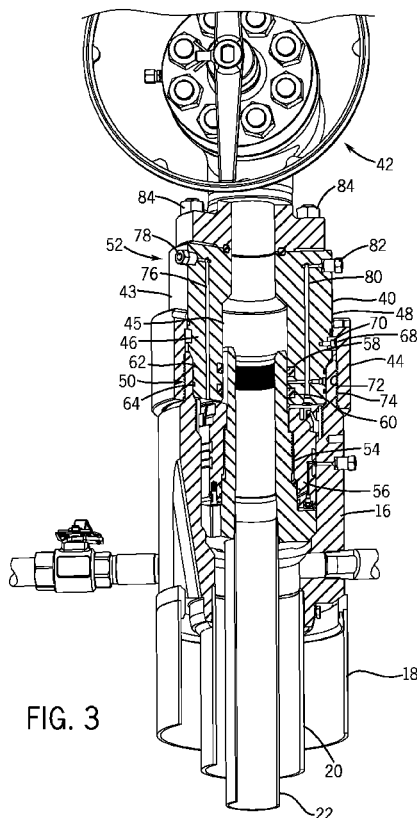


FIG. 3

(57) Abstract: There is provided a frac adapter (40) configured to couple a frac tree (42) to a wellhead component. The frac adapter may couple the frac tree to a casing head (18) without a tubing head (14), thereby enabling the well to be fractured before the tubing head is installed. As a result, the tubing head used in well production may be pressure-rated for production pressures rather than for fracturing pressures. The frac adapter may be coupled to or integral with the frac tree. In addition, a union-nut coupling (44) may be employed to quickly and easily assemble and disassemble the frac adapter from the wellhead component, such as the casing head. The union-nut coupling may further enable the components to be pressure-tested before the fracturing process is initiated.



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— *as to the applicant's entitlement to claim the priority of
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