

- [54] TUBULAR CONNECTOR
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[57] ABSTRACT

An improved tubular connector having a first tubular member with an external hub, an internal sealing surface and an external rib spaced from the hub, a second tubular member with an external hub, an internal sealing surface and an external dividing rib, a sleeve surrounding and slidable on the second tubular member and having an enlarged end extending beyond the end of the tub of the second tubular member in the retracted position of the sleeve, the sleeve having an internal rib engaging the exterior of the second tubular member and an internal tapered surface, a plurality of latching fingers supported between the interior of the sleeve and the exterior of the second tubular member, means for delivering fluid pressure to the space between the sleeve and the exterior of the second tubular member for movement of the sleeve in the direction toward the hub end of the second tubular member, means for limiting the movement of the latching members in the direction of movement of the sleeve whereby engagement of the latching members by the internal tapered surface cams the latching members into tight clamping engagement with the hubs of the tubular members and seal means for engaging and sealing against the internal sealing surfaces of the tubular members.

Related U.S. Application Data

- [63] Continuation of Ser. No. 946,041, Dec. 24, 1986, abandoned.
- [51] Int. Cl.⁴ F16L 37/12
- [52] U.S. Cl. 285/18; 285/308;
285/315; 285/920
- [58] Field of Search 285/18, 34, 35, 86,
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8 Claims, 5 Drawing Sheets

