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(12) **United States Patent
Slack**

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(54) **RADIAL PISTON CRIMPING TOOL**

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(52) **U.S. Cl.** **72/402**; 29/237

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72/402, 409.19, 413, 416, 446, 448, 481.1,
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See application file for complete search history.

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(57) **ABSTRACT**

A crimping tool is disclosed that includes a housing assembly carrying a crimping assembly having jaws with engagement surfaces designed to move in the radial direction under controlled load and controlled displacement with application of hydraulic pressure to pistons provided to load the jaws. The crimping tool is designed to be separable into two parts, which facilitates assembly and disassembly of the tool around the work piece for crimping at locations remote from the end of a continuous or long section of pipe. This tool is adapted for use in crimping end fittings onto composite pipe and for use in a field environment where the tool is manually transportable.

8 Claims, 9 Drawing Sheets

