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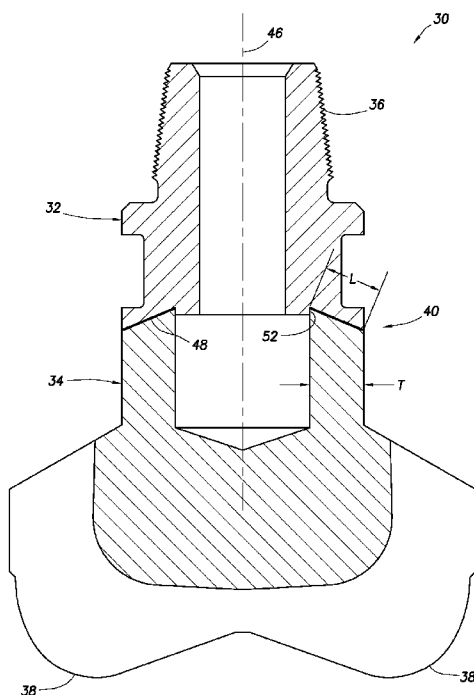
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[Continued on next page]

(54) Title: **ALIGNED ANGLED WELL TOOL WELD JOINT**



(57) Abstract: A well tool can include multiple sections, one section having a mating weld surface formed thereon, and another section having another mating weld surface formed thereon. Engagement between the mating weld surfaces can prevent lateral displacement of the well tool sections relative to each other. The mating weld surfaces are welded to each other. A method of constructing a well tool can include engaging a mating weld surface on a section of the well tool with another mating weld surface on another section of the well tool, an interface between the mating weld surfaces being inclined relative to a longitudinal axis of the well tool extending through the sections, and welding the mating weld surfaces to each other along the interface.



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