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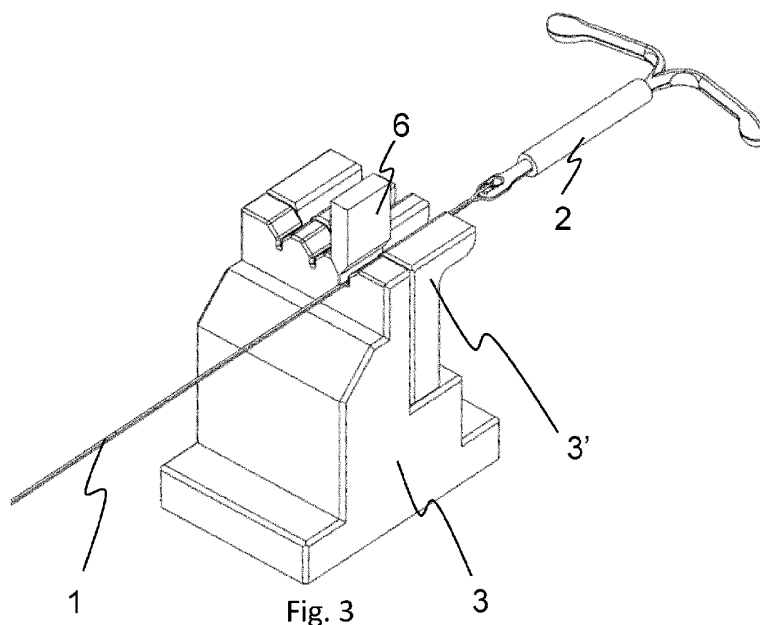
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(54) Title: ULTRASOUND THREAD WELDING



(57) Abstract: According to an aspect of the present invention, there is provided an apparatus for ultrasonic welding of a removal thread (1) of an intrauterine system (2). The apparatus comprises a welding jig (3) comprising a welding groove (4), the welding groove having a length L_g, a width W_g and a depth D_g and a bottom (5) with concave shape. The apparatus 5 further comprises a sonotrode (6) having a length L_s that is 150-220 % of L_g, a width W_s of a welding tip (7) of the sonotrode that is 80-98 % of W_g and a depth D_s. Further, the welding tip of the sonotrode has a concave shape.

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