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(57) Abstract :

A tree creeper binding device encompasses a frame 1 with two portions 2, 3, designed with handle 4 aiding user in positioning the frame 1, a proximity sensor on the first portion 2 detects distance from trunk, a telescopic link 5 with a U-shaped blade 6 extends from the first portion 2 to cut a thin thread from bark, a first gripper 7 on frame 1 places the thread's free end on a motorized roller 8, wrapping the thread for binding, the user places a tree creeper and wire in a U-shaped clip 9 on frame 1, an imaging unit 10 verifies the wire's accommodation, a second gripper 11 sets thread's free end on clip 9, holding the wire and creeper, a robotic link with a motorized cutter 12 cuts thread, a rotary arrangement 13 between the clip 9 and frame 1 secures creeper with wire by binding the thread.

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