(54) Title: AN INTEGRATED SYSTEM AND METHOD FOR TREATING A THREAD AND USING THEREOF

(57) Abstract: An integrated system for treating a thread and using the treated thread, comprising: a thread treatment machine for treating a thread or portions thereof; a thread applicator configured for using the treated thread such as a stitching machine of 3D printer; at least one mechanism for collecting and trimming thread portions; and a control unit, configured for controlling at least the thread treatment machine, the thread applicator and the collecting and trimming mechanism and for coordinating the treatment of the thread with the operation of the thread applicator, wherein the control unit is further configured for controlling the collecting and trimming mechanism for collecting untreated thread edge portions for allowing using only treated thread portions.

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