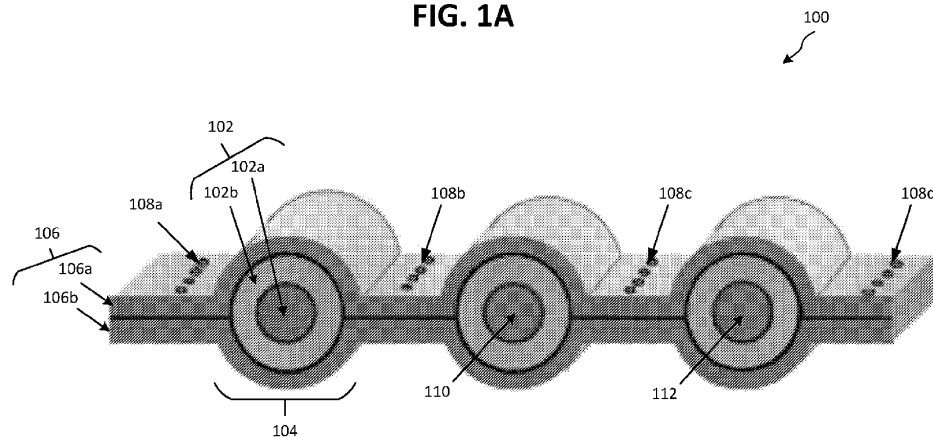




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- (71) **Applicant:** **MAYBELL QUANTUM INDUSTRIES, INC.** [US/US]; 7100 Broadway Building 3, Suite D-E, Denver, CO 80221 (US).
- (72) **Inventors:** **TILLEMANN-DICK, Corban, I.**; 1811 Oneida St., Denver, CO 80220 (US). **THOMPSON, Kyle, J.**; 3795 Moorhead Ave, Boulder, CO 80305 (US). **CHOO, Bryan, J.**; 4 Saint Marks Place, 3S, New York, NY 10003 (US). **ZULTAK, Johanna**; 3301 Arapahoe Ave. #221, Boulder, CO 80303 (US). **BYARS, Jonathan, Michael**; 14830 W 53rd Ave., Golden, CO 80403 (US).
- (74) **Agent:** **PRITZKER, Randy, J.** et al.; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210-2206 (US).
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(54) **Title:** SYSTEMS AND METHODS FOR MANUFACTURE OF FLEXIBLE SHIELDED RIBBON CABLES

FIG. 1A



(57) **Abstract:** Provided herein are systems and methods for manufacturing a cable. In some embodiments, a system for manufacturing a cable includes a joining mechanism configured to join the upper conducting foil and the lower conducting foil; and a linear actuator configured to control motion of the joining mechanism with respect to the upper conducting foil and the lower conducting foil. In some embodiments, a system for manufacturing a cable includes: an electrode configured to join the upper conducting foil and the lower conducting foil in a region between insulated conductors of the plurality of insulated conductors; and a plurality of rollers configured to position the upper conducting foil, the lower conducting foil, and the plurality of insulated conductors relative to the electrode.

[Continued on next page]

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