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(71) Applicant: CYPHY WORKS, INC. [US/US]; 16C Electronics Avenue, Danvers, Massachusetts 01923 (US).

(72) Inventors: WALKER, Jason S.; 253 Governors Avenue, Medford, Massachusetts 02155 (US). WARE, John W.; 33 Pond Avenue, Apartment 402, Brookline, Massachusetts 02445 (US). JOHNSON, Samuel A.; 362 Audrey Drive, Loveland, Colorado 80537 (US). SHEIN, Andrew M.; 6 Churchill Road, Winchester, Massachusetts 01890 (US).

(74) Agent: ROHLICEK, J. Robin; Occhiuti & Rohlicek LLP, 321 Summer Street, Boston, Massachusetts 02210 (US).

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(54) Title: SPOOLER FOR UNMANNED AERIAL VEHICLE SYSTEM

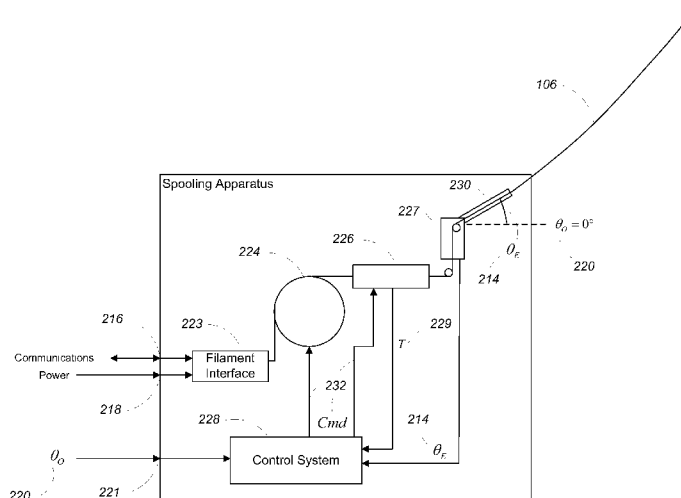


FIG. 2

(57) Abstract: In an aspect, in general, a spooling apparatus (112) includes a filament feeding mechanism for deploying and retracting filament (106) from the spooling apparatus to an aerial vehicle (102), an exit geometry sensor (230) for sensing an exit geometry of the filament from the spooling apparatus, and a controller for controlling the feeding mechanism to feed and retract the filament based on the exit geometry.



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