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- (71) Applicant: **ARIA INNOVATIONS, INC.** [US/US]; 4410
El Camino, Suite 101, Los Altos, CA 94306 (US).
- (72) Inventor: **HERSCHER, Bret**; 10259 Ainsworth Drive,
Cupertino, CA 95014 (US).
- (74) Agent: **FRANCIS, Ralph, C**; Francis Law Group, 512
Westline Drive, Suite 301, Alameda, CA 94501 (US).
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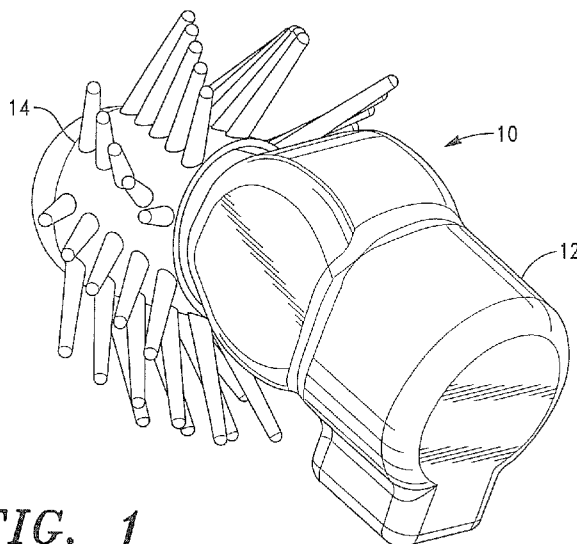


FIG. 1

(57) Abstract: A wireless asymmetrical control system for a personal communication device comprising a first receiver associated with the personal communications device, and a transmitter having an in-band (IE audible) signal device, the IE audible device being configured to generate and transmit a time modulated control signals, the time modulated control signals being generated by generating a first plurality of multi-frequency signals comprising a plurality of first time modulated frequency combinations, and applying the plurality of first time modulated frequency combinations to a first plurality of control signals in a first frequency domain, the receiver being configured to decode the time modulated control signals and generate and transmit response signals to the IE audible signal device in response to the time modulated control signals, each of the response signals comprising an ultra-wide band (UWB) electro-magnetic pulse.



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