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(57) Abstract :  
 A pet care and protection device, comprising a neck-wearable collar 101 adapted to be worn by a pet, a motorized roller 102 to adjust its dimension as required, an ultrasonic emitter 103 to repel pests, a GPS unit to detect the pet's real-time location, a visibility unit 104 with reflector material 104a and lighting elements 104b improves visibility, a recovery module 105 with a QR code 105a and NFC chip 105b allows access to pet details, a bone conduction audio transducer 106 and fragrance unit 107 for relaxation of the pet, a holographic projection unit 108 aids training, and a communication unit alerts guardians, a camera 109 detects threats, a muzzle 110 with articulated arm 111 for preventing ingestion of harmful objects, motorized spindle 112 with rope 113 and suction cup 114 for securing the pet, and a cushioned panel 115 with articulated link 116 for soothing.

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