



TECHNOLOGY AVAILABLE FOR LICENSING

Process and Architecture of Robotic Systems to Mimic Animal Behavior in the Natural Environment

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Details About the Invention:

Northeastern University’s bio-engineered robots uniquely mimic the natural behavior of animals. Novel neural circuitry, artificial muscle and neuro-sensors combine to form reactive behavioral sequences during the operation of the bio-mimetic robots. The neural circuitry, artificial muscles, and neuro-sensors replace costly robot motors and provide bio-mimetic robots with autonomous behavior. Actual working models exist that mimic complex lobster and worm-like actions. Robots can be made that work on land or underwater.

Benefits of the Invention:

Robots made with low-cost proprietary devices and novel bio-engineering techniques that mimic natural animal behaviors.

Advantages:

- User-friendly
- Autonomous
- Inexpensive

Uses:

- Robotic pets
- Aides for the elderly and disabled
- Smart detection systems
- Security systems
- Mine detection
- House cleaner

The Bottom Line:

Bio-mimetic robots made with novel proprietary technology will provide low-cost, intelligent, artificial machines with multiple applications.

For More Information:

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