SECURITY PATENT DOCUMENTATION

DeepShield Systems, Inc.

Last Updated: January 11, 2024

1. PATENT PORTFOLIO OVERVIEW

1. This document provides a comprehensive inventory and status report of all patents and patent applications owned by or licensed to DeepShield Systems, Inc. ("Company"), relating to industrial control system (ICS) security technologies and critical infrastructure protection solutions.

2. The Company maintains exclusive rights to the following patent families:

Core Technology Patents

Patent Family A: Deep-Layer Security Architecture

- US Patent No. 10,847,443
- Filing Date: March 30, 2016
- Issue Date: September 15, 2018
- Status: Active
- Description: Fundamental architecture for multi-layered industrial control system security, including proprietary methods for real-time threat detection and response in OT environments

Patent Family B: AI-Driven Threat Detection System

- US Patent No. 11,234,567
- Filing Date: June 12, 2017
- Issue Date: January 22, 2019
- Status: Active
- Description: Machine learning algorithms specifically designed for anomaly detection in SCADA networks and industrial automation systems

2. PENDING PATENT APPLICATIONS

1. The Company has filed the following patent applications:

a) "Method and System for Maritime Infrastructure Cybersecurity"

- Application No.: US 2022/0123456

- Filing Date: March 15, 2022
- Status: Under examination
- Priority Date: March 15, 2021

b) "Adaptive Defense Mechanisms for Industrial Control Systems"

- Application No.: US 2023/0789012
- Filing Date: September 30, 2023
- Status: Awaiting first office action
- Priority Date: September 30, 2022

3. LICENSING ARRANGEMENTS

1. Inbound Licenses

The Company maintains the following inbound technology licenses:

a) License Agreement with CyberTech Solutions, LLC

- License Type: Non-exclusive
- Scope: Use of patented network monitoring protocols
- Term: Through December 31, 2028
- Patent Numbers: US 9,876,543; US 9,876,544

2. Outbound Licenses

The Company has granted the following outbound licenses:

a) None currently in effect

4. PATENT MAINTENANCE

1. Maintenance Fee Schedule

The Company maintains a comprehensive schedule for patent maintenance fee payments, managed by outside counsel Wilson & Patterson LLP.

2. Upcoming Maintenance Fees

- US Patent No. 10,847,443: Second maintenance fee due September 15, 2025
- US Patent No. 11,234,567: First maintenance fee due January 22, 2024

5. ENFORCEMENT AND LITIGATION

1. The Company currently has no pending patent litigation matters.

2. The Company maintains an active monitoring program for potential infringement through quarterly analysis conducted by outside counsel.

6. CONFIDENTIALITY AND PROTECTIVE MEASURES

1. All patent documentation and related technical information are maintained under strict confidentiality protocols in accordance with the Company's Trade Secret Protection Policy dated June 1, 2023.

2. Access to patent documentation is restricted to:

- Named inventors
- Executive management team
- Designated R&D personnel
- Outside patent counsel
- Other authorized personnel as approved by the CTO

7. REPRESENTATIONS AND WARRANTIES

1. The Company represents that, to the best of its knowledge:

a) All listed patents are valid and enforceable

b) All maintenance fees have been timely paid

c) No known prior art threatens the validity of any active patents

d) No third-party claims of infringement have been received

8. CERTIFICATION

The undersigned hereby certifies that this patent documentation is accurate and complete as of the date first written above.

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FOR DEEPSHIELD SYSTEMS, INC.

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Sarah Blackwood

Chief Technology Officer

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James Morrison

VP of Engineering

Date: January 11, 2024

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## 9. LEGAL DISCLAIMER

This document is confidential and proprietary to DeepShield Systems, Inc. The information contained herein is provided for due diligence purposes only and shall not constitute any representation or warranty as to the completeness or accuracy of the information contained herein. Recipients are advised to conduct their own independent verification of the information.
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