

Patent Filing Checklist

MWRASP Quantum Defense System

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PATENT FILING CHECKLIST AND TIMELINE

MWRASP Quantum Defense System Patent Portfolio

IMMEDIATE ACTIONS (Within 7 Days)

[] Priority Date Establishment

- [] File provisional patent applications for all 7 core inventions
- [] Obtain filing receipts from USPTO
- [] Record priority dates in master tracking spreadsheet
- [] Send confirmation to all inventors

[] Inventor Documentation

- ☐ Collect signed invention disclosure forms from all inventors
- ☐ Obtain signed assignment agreements
- ☐ Verify citizenship status of all inventors
- ☐ Create power of attorney documents

☐ Initial Prior Art Search

- ☐ Conduct USPTO database search
 - ☐ Search Google Patents
 - ☐ Review IEEE and ACM digital libraries
 - ☐ Document all relevant prior art found
-

30-DAY CHECKLIST

☐ Provisional Patent Applications

☐ Application 1: Behavioral Cryptography Through Protocol Presentation Order

Filing Deadline: February 28, 2024 - ☐ Complete specification (minimum 10 pages) - ☐ Include all algorithm variations - ☐ Add flowcharts and diagrams - ☐ File with USPTO - ☐ Pay filing fee (\$320 for large entity, \$160 for small entity)

☐ Application 2: Digital Body Language Authentication

Filing Deadline: February 28, 2024 - ☐ Draft complete specification - ☐ Include mathematical models - ☐ Add code examples - ☐ File with USPTO - ☐ Pay filing fee

☐ Application 3: Temporal Data Fragmentation

Filing Deadline: February 28, 2024 - ☐ Complete technical specification - ☐ Include quantum noise methodology - ☐ Add performance metrics - ☐ File with USPTO - ☐ Pay filing fee

☐ Application 4: Evolutionary Agent Network

Filing Deadline: March 5, 2024 - ☐ Document spawning algorithms - ☐ Include inheritance mechanisms - ☐ Add specialization tree - ☐ File with USPTO - ☐ Pay filing fee

[] Application 5: Geographic-Temporal Authentication

Filing Deadline: March 5, 2024 - [] Complete geo-hash specification - [] Include latency triangulation - [] Add verification protocols - [] File with USPTO - [] Pay filing fee

[] Application 6: Quantum Canary Token System

Filing Deadline: March 10, 2024 - [] Document quantum signatures - [] Include detection patterns - [] Add simulation results - [] File with USPTO - [] Pay filing fee

[] Application 7: Collective Intelligence Emergence

Filing Deadline: March 10, 2024 - [] Complete swarm protocol specification - [] Include consensus algorithms - [] Add emergence metrics - [] File with USPTO - [] Pay filing fee

[] Documentation Package

- [] Compile all source code files
- [] Create invention timeline document
- [] Gather all test results
- [] Organize demonstration materials
- [] Backup all documentation (3 locations)

[] Legal Review

- [] Schedule meeting with patent attorney
 - [] Review all provisional applications
 - [] Assess freedom to operate
 - [] Identify potential licensing opportunities
-

60-DAY CHECKLIST

[] International Filing Strategy

- [] Determine target countries for protection
- [] Evaluate PCT filing vs. direct filing

- ☐ Calculate filing costs for each country
- ☐ Create international filing timeline

☐ Continuation-in-Part (CIP) Planning

- ☐ Identify improvements since provisional filing
- ☐ Document new embodiments
- ☐ Plan CIP filing schedule
- ☐ Budget for CIP applications

☐ Commercial Development

- ☐ Create licensing strategy document
- ☐ Identify potential licensees
- ☐ Prepare technology transfer packages
- ☐ Schedule demonstrations for interested parties

☐ Evidence Preservation

- ☐ Create certified copies of lab notebooks
 - ☐ Archive all email communications
 - ☐ Document all demonstrations given
 - ☐ Maintain invention disclosure log
-

90-DAY CHECKLIST

☐ Non-Provisional Strategy

- ☐ Decide which provisionals to convert
- ☐ Begin drafting non-provisional applications
- ☐ Conduct formal prior art search
- ☐ Prepare formal drawings

☐ Claims Development

- ☐ Draft independent claims for each invention
- ☐ Create dependent claim trees
- ☐ Review claim scope with attorney
- ☐ Ensure claims cover commercial embodiments

☐ Foreign Filing Decisions

- ☐ File PCT applications if pursuing international protection
 - ☐ Determine national phase entry countries
 - ☐ Engage foreign patent agents
 - ☐ Prepare translations if required
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6-MONTH CHECKLIST

☐ Non-Provisional Conversions

Deadline: 12 months from provisional filing minus 6 months for preparation

☐ Patent 1: Behavioral Cryptography

- ☐ Complete non-provisional application
- ☐ Formal drawings completed
- ☐ Claims finalized (minimum 20 claims)
- ☐ Filing fee ready (\$1,820 for large entity)

☐ Patent 2: Digital Body Language

- ☐ Complete non-provisional application
- ☐ Mathematical proofs included
- ☐ Claims finalized
- ☐ Filing fee ready

☐ Patent 3: Temporal Fragmentation

- ☐ Complete non-provisional application
- ☐ Security analysis included

- ☐ Claims finalized
- ☐ Filing fee ready

☐ Patent 4-7: Remaining Core Patents

- ☐ All specifications complete
- ☐ All drawings finalized
- ☐ All claims reviewed
- ☐ All fees prepared

☐ Portfolio Management

- ☐ Create patent family tree
 - ☐ Establish maintenance fee calendar
 - ☐ Set up docketing system
 - ☐ Create enforcement strategy
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12-MONTH CHECKLIST (Critical Deadline)

☐ Final Non-Provisional Filings

ABSOLUTE DEADLINE: 12 months from provisional filing date - ☐ All non-provisional applications filed - ☐ All fees paid - ☐ All assignments recorded - ☐ Priority claims properly made

☐ PCT National Phase

- ☐ Enter national phase in selected countries
- ☐ Pay national phase fees
- ☐ Submit translations
- ☐ Appoint local agents

☐ Commercial Launch Preparation

- ☐ Freedom to operate opinion obtained
- ☐ Licensing agreements drafted

- ☐ Patent marking strategy implemented
 - ☐ Enforcement protocols established
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ONGOING TASKS

Weekly

- ☐ Monitor USPTO correspondence
- ☐ Check for new prior art
- ☐ Document any improvements
- ☐ Update invention disclosure log

Monthly

- ☐ Review filing deadlines
- ☐ Update patent portfolio status
- ☐ Assess commercial opportunities
- ☐ Review competitor filings

Quarterly

- ☐ Portfolio strategy review
 - ☐ Budget assessment
 - ☐ ROI analysis
 - ☐ Enforcement evaluation
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CRITICAL DEADLINES SUMMARY

Date	Action	Type	Status
Feb 28, 2024	File Provisionals 1-3	Provisional	Pending
Mar 5, 2024	File Provisionals 4-5	Provisional	Pending

MWRASP Quantum Defense System

Date	Action	Type	Status
Mar 10, 2024	File Provisionals 6-7	Provisional	Pending
Aug 28, 2024	Begin Non-Provisional Prep	Preparation	Future
Feb 28, 2025	Convert Provisionals 1-3	Non-Provisional	Future
Mar 5, 2025	Convert Provisionals 4-5	Non-Provisional	Future
Mar 10, 2025	Convert Provisionals 6-7	Non-Provisional	Future
Aug 28, 2025	PCT National Phase Entry	International	Future

BUDGET REQUIREMENTS

Provisional Patent Applications (7 patents)

- USPTO Fees: \$1,120 (small entity) or \$2,240 (large entity)
- Attorney Fees: \$15,000 - \$25,000
- Prior Art Search: \$3,000 - \$5,000
- **Subtotal:** \$19,120 - \$32,240

Non-Provisional Applications (7 patents)

- USPTO Fees: \$6,370 (small entity) or \$12,740 (large entity)
- Attorney Fees: \$70,000 - \$105,000
- Formal Drawings: \$3,500 - \$7,000
- **Subtotal:** \$79,870 - \$124,740

International Filings (PCT + 5 countries)

- PCT Filing: \$3,000 - \$4,000
- National Phase (5 countries): \$25,000 - \$50,000
- Translations: \$10,000 - \$20,000
- **Subtotal:** \$38,000 - \$74,000

Total Estimated Budget: \$136,990 - \$230,980

RISK MITIGATION

[] Technical Risks

- [] Maintain detailed documentation
- [] Regular backup of all materials
- [] Version control for all specifications
- [] Expert review of technical claims

[] Legal Risks

- [] Freedom to operate analysis
- [] Inventorship verification
- [] Assignment confirmation
- [] Prior art monitoring

[] Commercial Risks

- [] Market analysis updates
 - [] Competitor monitoring
 - [] Technology evolution tracking
 - [] Licensing strategy flexibility
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CONTACTS AND RESOURCES

Patent Attorneys

- Primary: [To be selected]
- Backup: [To be selected]
- International: [To be selected]

USPTO Resources

- Patent Electronic Filing System (EFS-Web)
- Patent Application Information Retrieval (PAIR)
- USPTO Fee Schedule: www.uspto.gov/fees

Prior Art Databases

- USPTO: www.uspto.gov
- Google Patents: patents.google.com
- Espacenet: worldwide.espacenet.com
- IEEE Xplore: ieeexplore.ieee.org

Docketing Services

- Primary: [To be selected]
 - Backup: [To be selected]
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APPROVAL SIGNATURES

Technical Lead: ___ Date: ___

Legal Counsel: ___ Date: ___

Business Manager: ___ Date: ___

Chief IP Officer: ___ Date: ___

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