USPTO Provisional Ethical IP application. This summary is structured to clearly outline how this decentralized architecture protects independent inventors against corporate exploitation and automates global prior art defense.

Ethical IP: Provisional Patent Summary

The Technical Problem

- The global patent paradigm (specifically under "First to File" frameworks) forces independent inventors to publicly disclose sensitive technical architectures to centralized repositories before securing funding.
- Pitching major corporations without a signed Non-Disclosure Agreement (NDA) or premature filing exposes inventors to the "Public Disclosure" loophole.
- Independent architects are left vulnerable to industrial espionage and predatory "fishing expeditions" where corporate entities misappropriate trade secrets and race to patent the concepts themselves.
- Traditional systems offer no structural mechanism to cryptographically prove "Prior Possession," financially penalize corporate breaches of confidence, or automatically invalidate predatory patent applications.

The Cryptographic Moat & Solutions

- **Automated Digital NDA & Escrow Staking:** Inventive documentation is registered on a decentralized ledger as a secure Trade Secret. To review the architecture, a reviewing corporation must lock a micro-financial deposit in a smart-contract escrow to unlock a cryptographic access key. Accessing the key permanently logs the recipient's digital identity and IP address, creating a binding Digital NDA and mathematical proof of Prior Possession.
- **The "Anti-Bury" Prior Art Trigger:** If semantic monitoring tools detect a corporate entity attempting to patent the locked architecture without authorization, the smart contract automatically forfeits the corporate escrow deposit to the inventor and executes an automated "Defensive Publication" to the blockchain. This establishes undeniable global Prior Art that legally invalidates the predatory patent.

- **Ancestral Tech Tree Mapping:** Commercial transactions within the network automatically splinter a micro-percentage of revenue, routing it back through the development chain to ensure foundational creators and contributing architects are continuously compensated.
- **Zero-Knowledge Legal Oracles & Humanitarian Pools:** Decentralized Oracles verify legal estates and heirs via Zero-Knowledge Proofs to route royalties. Unallocated funds from orphaned assets automatically flow into an autonomous endowment pool dedicated to environmental remediation and independent inventor micro-grants.
- **Litigation Defense ("Covenant Not to Sue"):** The transfer of a micro-royalty to an ancestral node automatically registers an immutable "Covenant Not to Sue" on the ledger, disarming predatory patent assertion entities.

Representative Claims Overview

- **Claim 1:** A decentralized system for tracking IP data custody and automating financial routing via a secure ledger repository, a data custody monitoring protocol that logs forensic identity metrics and access timestamps on a blockchain, and a smart contract executing fractional revenue distributions along an ancestral technology tree.
- **Claim 2:** A data custody monitoring protocol that establishes an automated digital NDA upon third-party payload access, providing cryptographic proof of prior possession and trade secret custody.
- **Claim 3:** A requirement that reviewing entities lock a financial deposit in a smart-contract escrow, which is programmatically forfeited to the inventor upon a verified breach of confidence.
- **Claim 4:** A semantic global monitoring module that cross-references the payload against global patent registries, automatically triggering a time-stamped defensive publication upon detecting an unauthorized matching corporate filing.
- **Claim 5:** A mechanism where the cryptographic transfer of fractional revenue binds the recipient node to a verifiable Covenant Not to Sue.

This summary highlights the core defensive and financial architecture of the Ethical IP framework.