

location_location_obfuscation

Location Obfuscation System with Differential Privacy Noise

Note

This patent is already fully documented in Category 2 (Offline Privacy Systems).

Please refer to: - **Deep Dive Document:**

docs/patents/category_2_offline_privacy_systems/location_obfuscation/location_obfuscation.md -

Visual Document:

docs/patents/category_2_offline_privacy_systems/location_obfuscation/location_obfuscation_visuals.md

This patent appears in both Category 2 (Offline Privacy Systems) and Category 6 (Location Context Systems) because it relates to both privacy-preserving systems and location-based systems.

Quick Reference

Patent Number: #18 **Strength Tier:** Tier 4 (WEAK) **Key Innovation:** City-level location obfuscation (~1km precision) with differential privacy noise (~500m) and 24-hour expiration

For complete documentation, please see the Category 2 documentation.