

## **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.