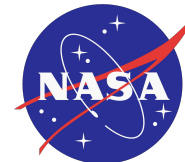


Comprehensive Oculomotor Behavioral Response Assessment (COBRA)

Daniel Gonzalez, Kaitlyn Ryu, Karan Rajpal, Anushka Joshi, Edlene Miguel, Haritha Nair



UC Berkeley

COBRA Provides Exhaustive & Objective Neurological Assessment in Real-Time

Precise Tracking



- Video-based tracking for measurement of subtle/dynamic movements
- Multi-dimensional Oculometric Analysis

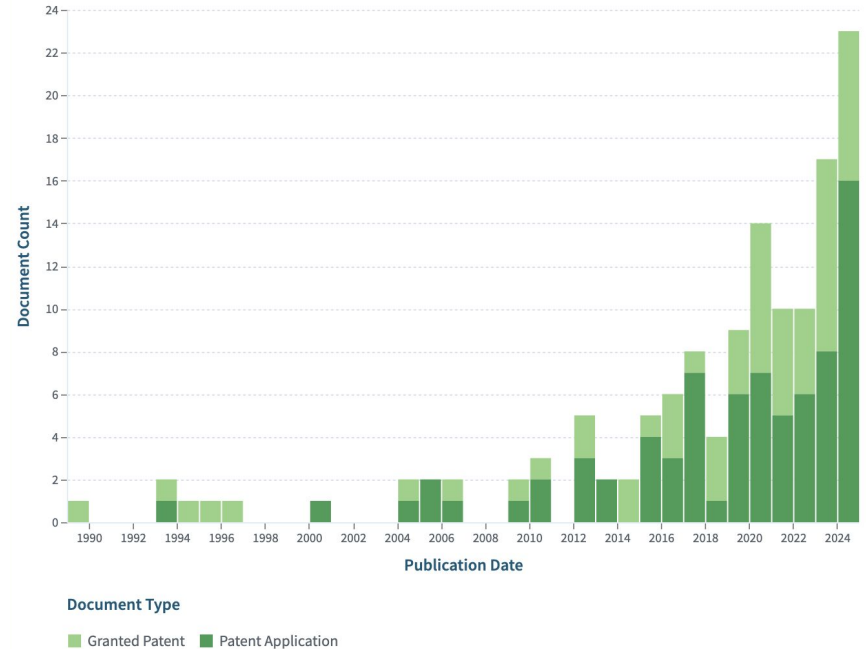
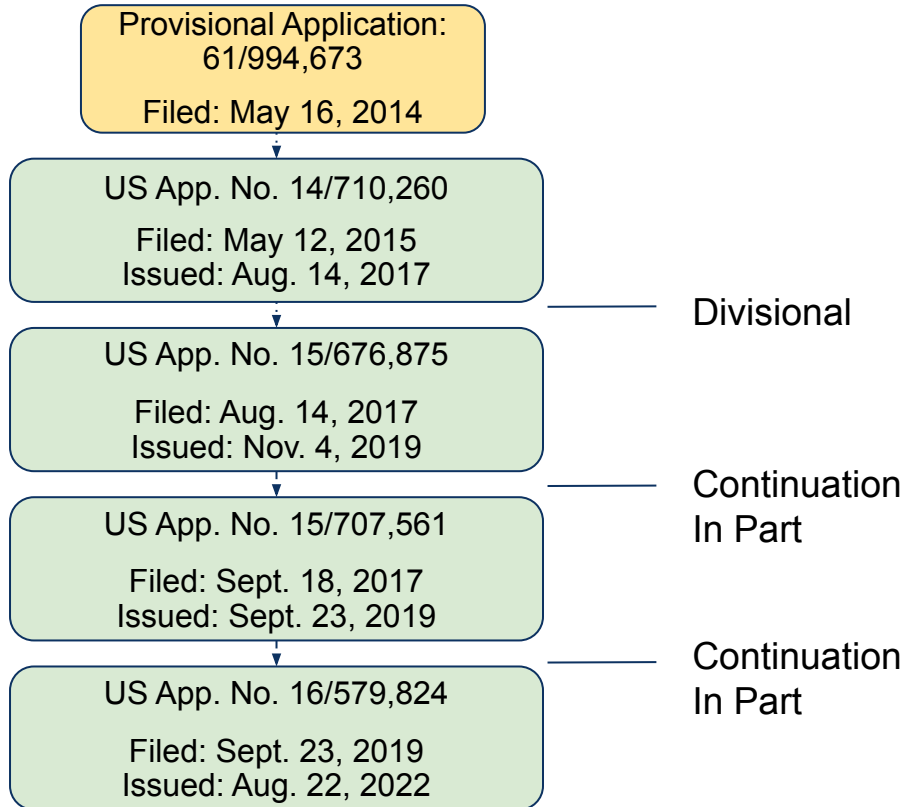
- Suitable for a range of environments
- Minimal training required
- Does not expose patients to radiation

Non-Invasive & User-Friendly

Instantaneous Results

- Scans take ~5 mins
- Highly sensitive to detecting early neurological impairment
- Does not rely on static biomarkers

Strong Growth Trend of Patent Landscape Across Use Cases



Eye Tracking for DUI Assessment

A \$1.6B and rapidly growing market to be unlocked

Target Segment:

Law Enforcement agencies dealing with DUI

Total Law Enforcement Agencies Worldwide:

~40,000

~50% Involved with DUI:

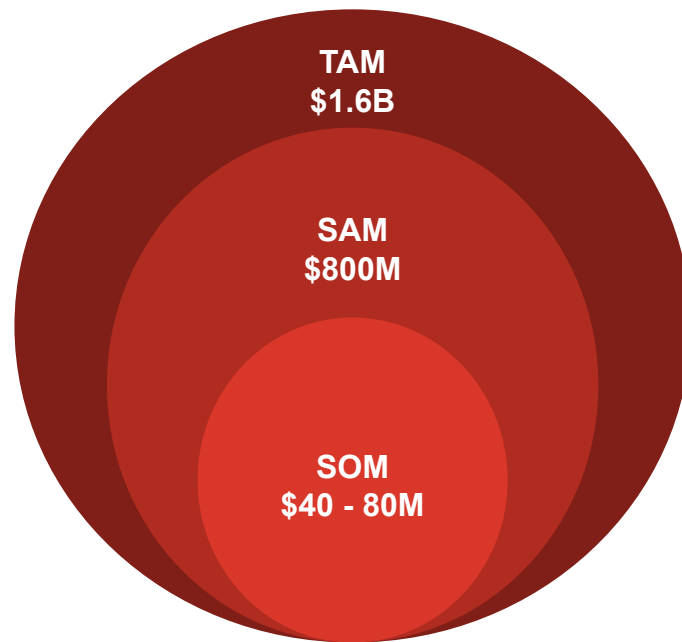
20,000

Average Price per EBT (Evidential Breath Test) Device:

\$1600

Average Number of EBT Devices per Agency:

~50



A bottom-up market sizing shows a \$1.6B+ TAM expected to reach \$7.8B globally in the next decade with a CAGR of 17%

Other Potential Markets Are Crowded or Require Proof of Commercialization to Penetrate

Saturated

Emerging



Healthcare

Opportunities

- Early neurological disorder detection
- Remote patient monitoring
- Personalized rehabilitation programs

Risks

- Regulatory approval challenges
- Market competition (saturated)
- User adoption barriers
- Data privacy
- Saturated market



Sports Performance & Rehabilitation

Opportunities

- Concussion assessment
- Performance enhancement
- Rehabilitation Tracking

Risks

- Cost accessibility
- Validation and reliability
- Privacy and consent issues



Military & Aerospace

Opportunities

- Cognitive readiness monitoring
- Detection of combat-related injuries
- Enhanced mission safety

Risks

- Strict compliance requirements to be military grade
- Integration complexity
- Lack of funding and R&D partners

Thank you. Connect with us to learn more!



Daniel Gonzalez

MTM, 2025



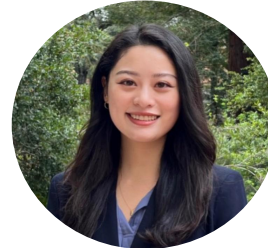
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