UNITED STATES
PATENT AND TRADEMARK OFFICE
uspto

USPTO AI Update

UNITED STATES
PATENT AND TRADEMARK OFFICE
uspto

Strategic AI IT Objectives

The USPTO has been focused on AI as part of its 2018-2022 Strategic Plan, with the following objectives:

- Optimize the development and delivery of information technology tools, including artificial intelligence (AI) and machine learning, for a thorough search and examination.
- Enhance IT interfaces for external users of patent systems.
- Improve searchable access to domestic and international patent application files, including the prior art and office actions.
- Develop a workforce equipped to leverage IT modernization.
- Focus information technology efforts on improving efficiencies in the core business operations.

uspto

New Ways of Working

- 2020 milestones
  - Establishment of Agile Delivery Office to enhance value delivery for business operations
  - Migration of infrastructure components for legacy components to USPTO and vendor supported versions
  - Initiated establishment of a cloud infrastructure to provide operational resiliency and infrastructure currency
- 2021 milestones
  - Themes: increase value delivery to business lines and leverage lessons learned to drive organizational and process maturity
  - Migrate development teams to Agile methodology, track DevSecOps metrics, and action plans for improvement
  - Increase cloud hosted systems for extended scalability and modernization
  - Complete deployment of improved identity, credential and access management (ICAM) and privileged access management (PAM) solutions

uspto

AI Search for patents

- 2020 milestones
  - Vision and high level roadmap established to investigate potential future capabilities
  - Prototype launched that assessed foundational AI search capabilities
  - Decision made to expand program in FY21
- 2021 milestones
  - Operationalization and continued prototyping of future capabilities
  - Monitor usage rates and compare AI vs non-AI metrics

Auto-classification

- 2020 milestones
  - Vision and high level roadmap established
  - ROI approach determined
  - Assessment made to support live implementation of auto-C*s
- 2021 milestones
  - ROI monitoring of auto-C*s, development of full auto-CPC
  - Expand implementation efforts (iterative approach)
  - Collaboration and information sharing with partner IP Offices

uspto

UNITED STATES PATENT AND TRADEMARK OFFICE
DEPARTMENT OF COMMERCE