

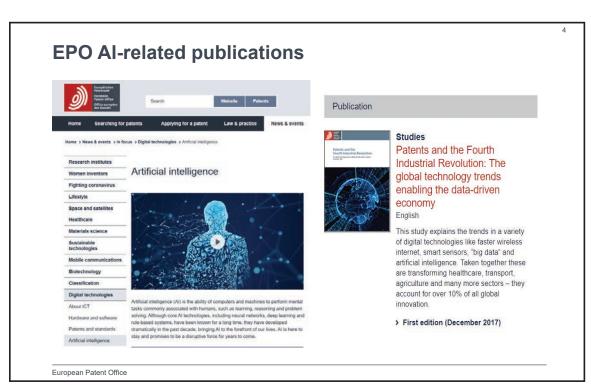
What is Artificial Intelligence?

Al overview

- · No universally recognized definition
 - Generally understood as computer functionality that mimics cognitive functions associated with the human mind (e.g., the ability to reason, generalize, discover meaning, and learn from past experience)
- Al is increasingly becoming an important tool across a diverse spectrum of technologies and businesses
- Al uses
 - Voice-powered personal assistants like Siri and Alexa
 - Autonomous vehicles
 - Forecasting models predicting weather patterns
 - Precision agriculture that detects disease, pests, and poor plant nutrition on farms
 - Fraud detection in banking
 - Cybersecurity



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Al Patenting Trends

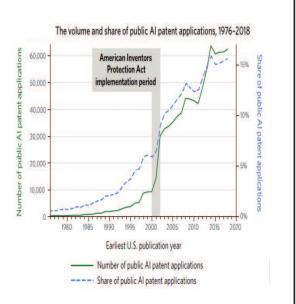
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USPTO report on diffusion of AI

• Key findings

- Al is increasingly important for invention, diffusing broadly across technologies, inventorpatentees, organizations, and geography
- Number of Al patent applications received annually by USPTO more than doubled from 30,000 to 60,000 from 2002 to 2018; share of all patent applications that contain Al grew from 9% to nearly 16%







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Title search: Issues of Preparing and Prosecuting AI-Based Applications

Also available as part of the eCourse 2021 Advanced Patent Law (USPTO) eConference

First appeared as part of the conference materials for the 16th Annual Advanced Patent Law Institute session "Issues of Preparing and Prosecuting AI-Based Applications"