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CERTAIN LEGAL CHALLENGES IN USING ARTIFICIAL INTELLIGENCE TOOLS

Summary: *The authors of this paper provide a comparative overview of the existing legal framework for regulating artificial intelligence. The paper focuses on the challenges faced by legal practice in well-known cases concerning liability for damage caused by artificial intelligence tools, as well as on the possibility of using such tools to create intellectual works—especially the challenges for inventors and authors and other open issues in intellectual property law.*

The authors address a question that is not new, especially for those dealing with emerging legal disciplines (such as intellectual property law, competition law, consumer law, environmental law, or space law): can the law keep pace with and effectively regulate new situations created by technological development, or does it lag behind them? In this context, the question also arises whether classical legal institutions can be applied by analogy.

In the paper, the authors seek to answer whether—and in what way—legal rules governing liability for damage, in the absence of specific regulation, can be applied to damage caused by the use of artificial intelligence tools. As a working hypothesis, they also advance the claim that the development of innovative technologies should be encouraged, but that those who benefit from them must also bear the risks such development entails.

The authors further analyze what artificial intelligence is and whether it is merely a tool for accelerating the creation of inventions that can be protected by patents, scientific papers, and other copyrighted works. Special attention is also paid to the relationship between the creators of artificial intelligence, the users of these tools, and the entities that place them on the market.

Keywords: *artificial intelligence, intellectual property, use, compensation, liability.*