Patent Search

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Abstract:

ABSTRACT The use of autonomous vehicles has been gaining significant attention in recent years, especially in the agricultural sector. These vehicles are equipped wi technologies, such as sensors, cameras, and GPS, which allow them to operate without the need for human intervention. This presents a promising solution for impr efficiency, productivity, and sustainability in agriculture. One crucial aspect of implementing autonomous vehicles in agriculture is the application of machine learning Machine learning involves the use of algorithms and statistical models to enable computers to learn from data and make decisions without explicit programming. Thi can significantly enhance the performance of autonomous vehicles in agricultural applications. The analysis of autonomous vehicles and machine learning for agricul application involves studying the potential benefits and challenges of using these technologies in farming operations. It also includes exploring the different types of data that can be collected by autonomous vehicles and how machine learning algorithms can be utilized to process and analyze this data. One of the main benefits o autonomous vehicles and machine learning in agriculture is the ability to operate continuously for extended periods with minimal supervision. This can result in incre efficiency and productivity, allowing farmers to cover larger areas and complete tasks such as planting, harvesting, and spraying more quickly. Moreover, the use of a vehicles and machine learning can also lead to more precise and targeted farming practices. By collecting and analyzing data on soil moisture, nutrient levels, and pla these technologies can enable farmers to make data-driven decisions and apply resources more efficiently. This can not only improve crop yields but also reduce cost minimize negative environmental impacts. However, there are also challenges that need to be addressed when implementing autonomous vehicles and machine lea agriculture. These include issues related to data quality, security, and the integration of these technologies with existing farming practices and systems. In conclusion, of autonomous vehicles and machine learning for agriculture application is crucial for understanding the potential and limitations of these technologies in the agricu With further research and development, these advanced technologies have the potential to revolutionize farming practices and contribute to a more sustainable and future for agriculture.

Complete Specification

Description:FORM 2
THE PATENTS ACT,1970
(39 of 1970)
&
THE PATENT RULES, 2003
Complete Specification
(See section10 and rule13)
1. Title of the Invention: ANALYSIS OF AUTONOMOUS VEHICLE AND MACHINE LEARNING APPROACH FOR AGRICULTURE APPLICATION

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