

Multi Utility E-Controlled cum Voice Operated Farm Vehicle

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ABSTRACT

This paper describes the design and construction of MUEVOFV. The vehicle will be used to explore ways of increasing the productivity using expensive agricultural mobile machinery by taking over some of the tasks of the operator, allowing him to control the machinery from remote place i.e. E-control through voice commands; and to control several accessories of the machine simultaneously. The system was designed to satisfy the needs of various farm operations in unknown agricultural fields. The controller has a layered architecture and supports two degrees of cooperation using sensor modules between the operator and robotic vehicle, direct and supervisory control. The vehicle's position and heading direction can be controlled by global positioning.

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