Patent Protection & Registration

Patents grant property rights on new and useful inventions, allowing the patent holder to prevent others from using, making, or selling that invention without permission for a limited time. U.S. patents are permitted by the U.S. Constitution and are designed to promote scientific progress and invention. By allowing inventors to profit from licensing or selling their patent rights, inventors can recoup their research and development costs and benefit financially from their inventing efforts. There are three main types of patents utility, plant, and design. Utility and plant patents can last up to 20 years, while design patents can last up to 14 years. When a patent expires, the patented material enters the public domain, making it free to use by anyone without a license. U.S. patents are issued by the United States Patent and Trademark Office (USPTO).

U.S. Patent No. 11,492,767 entitled "Method for Working Ground Pavements, as well as Self-Propelled Construction Machine" issued November 8, 2022 to Wirtgen GmbH of Windhagen, Germany. Invented by Christian Berning of Zülpich, Germany; Andreas Vogt of Asbach, Germany; and Cyrus Barimani of Königswinter, Germany. In a self-propelled construction machine for working ground pavements comprising at least one machine frame, at least one height-adjustable milling drum for working the ground pavement in a working operation, driven by at least one drive unit, at least one control device for monitoring and controlling the milling depth of the milling drum and the speed of the construction machine, it is provided for the following features to be achieved: that a monitoring device detects an interruption of the working operation, and when detecting the interruption of the working operation emits a signal to interrupt the drive of the milling drum.