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[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 15 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. 11,766,381](#) entitled “Motor and Piston Assembly for Percussive Massage Device” issued September 26, 2023 to Hyperice IP SubCo, LLC of Irvine, California. Invented by Robert Marton of Yorba Linda, California and Anthony Katz of Laguna Niguel, California. Abstract: A self-contained reciprocation mechanism is coupleable within an enclosure of a percussive massage device and is configured to receive an applicator head for stimulating a user’s muscles. The self-contained reciprocation mechanism includes a spatial positioning bracket, a semi-cylindrical bracket, a piston, a motor, a crank, and a reciprocation linkage. The spatial positioning bracket is configured to receive the other interconnected components of the self-contained reciprocation mechanism and position said components relative to each other at close predetermined tolerances to assure that the interconnected components are properly positioned to provide consistent operating characteristics. The self-contained reciprocation mechanism is coupled within the enclosure using screws which extend through mounting tabs of the spatial positioning bracket.

[U.S. Patent No. 11,767,645](#) entitled “Self-Propelled Construction Machine and Method for Operating a Self-Propelled Construction Machine” issued September 26, 2023 to Wirtgen GmbH of Windhagen, Germany. Invented by Christian Berning of Zülpich, Germany; Andreas Salz of Neustadt, Germany and Martin Quadt of Eitorf, Germany. Abstract: A self-propelled construction machine, having a milling drum housing having a sealing device which has a sealing element arranged in the working direction of the construction machine behind the milling drum, an adjustment device for adjusting the height position of the sealing element, and a controller for controlling the adjustment device of the sealing element. The sealing device has a scraper element, which is pivotably arranged on the sealing element such that the scraper element rests on the milled material and is pivoted in relation to the milling drum on the basis of the height of the milled material. The height position of the sealing element is adjusted on the basis of the pivot position of the scraper element.

[U.S. Patent No. 11,770,494](#) entitled “Apparatus, Systems, and Methods for Providing a



Lightograph” issued September 26, 2023 to Jeremy Cowart Photography, Inc. of Franklin, Tennessee. Invented by Jeremy Cowart of Nashville, Tennessee. Abstract: A system and method are provided for creating a moving light image for visualizing light transition across a subject (e.g., a lightograph), and include an image capture apparatus, various light effect elements (e.g., including strobes) arranged at different locations around a subject, and a processor. The processor, upon receiving a trigger command, directs the image capture apparatus to capture images in rapid succession, i.e., sufficiently rapid that the subject is substantially static for a duration of a specified sequence of images. Each of the images may have a different respective lighting configuration via selective implementation of at least one of the various light effect elements. The processor automatically generates and stores an executable file associated with the captured plurality of images, wherein execution of the file causes retrieval and time-based reproduction of one or more of the images and corresponding lighting effects in a substantially static image reference frame.