## 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. 11,478,903 entitled "Pliers" issued October 25, 2022 to Nigel Buchanan of Fife, United Kingdom. Also invented by Nigel Buchanan of Fife, United Kingdom. A plier has jaw portions incorporating gripping faces for the clamping of the desired workpiece, two pivotal handle portions and a sprung toothed strut positioned between the handles. A bow shaped resilient portion, incorporated within the second arm portion, when the pliers are operated this resilient portion imparts a useful superior sprung pressure upon the clamped workpiece by the gripping face of the jaws. The second arm and bend promoting portion are contiguous with each other. The jaws can further be usefully locked in the required clamping position upon the workpiece by a toothed sprung strut pivotally attached to the first and second arms and conveniently being locked or unlocked according to the locking switch pivotal within the first arm.

U.S. Patent No. 11,479,320 entitled "Electric Drive Motorcycle" issued October 25, 2022 to Piaggio & C. S.P.A. of Pontedera, Italy. Invented by Luca Carmignani, Paolo Capozzella; Jury Cantini and Walter Mariotti all of Pontedera, Italy. An electric drive motorcycle (100) allows a suitable configuration of all the components deputed to the electric supply of the motorcycle electric drive, and comprises: a front portion comprising one or more front wheels (103) and a handlebar (104); a rear portion comprising a saddle (101), a shell body (107) arranged below said saddle (101), and a rear wheel (105) arranged below said shell body (107); an intermediate portion (108) extending as a connection between said front portion and said rear portion; an electric drive unit (8) connected to said rear wheel (105); and a hybrid supply unit supplying said electric drive unit (8), comprising at least a battery unit (115) and a combustion engine (116) actuating an electric generator (120) apt to supply said battery unit (115) and/or said electric drive unit (8), wherein said shell body (107) defines a housing space apt to receive at least said battery unit (115) and said combustion engine (116), with the related electric generator (120), placed side by side therebetween.

U.S. Patent No. 11,478,400 entitled "Percussive Massage Device with Selectable Stroke Length" issued October 25, 2022 to Hyper Ice, Inc. of Irvine, California. A percussive

massage device includes a cylinder extending along a longitudinal axis. A motor shaft that rotates about a central axis perpendicular to the longitudinal axis. A crank coupled to the shaft includes a first pivot offset from the central axis. A pinion gear is coupled to the first pivot. The pinion gear rotates within a ring gear. The pinion gear has a second pivot that rotates about the first pivot. A reciprocation linkage is coupled between the second pivot and a piston that moves longitudinally within the cylinder. An applicator head coupled to a second end of the piston has an end exposed outside the cylinder for application to a person receiving treatment. An actuator selectively rotates the ring gear to cause the applicator head to have a first stroke length and at least a second stroke length.

U.S. Patent No. 11,478,674 entitled “Training System and Apparatus” issued October 25, 2022 to MoveStrong Functional Fitness Equipment, LLC of Charleston, South Carolina. Invented by Jared Kuka, also of Charleston, South Carolina. The present disclosure provides training systems and apparatus for working out. The training system includes a pivotal bracket and a workout bar. The pivotal bracket includes a first portion and a second portion pivotally coupled to the first portion. The first portion is couplable to a support surface. The workout bar is coupled to the second portion of the pivotal bracket. The workout bar includes a cylindrical weight receiving portion positioned distal relative to the second portion of the pivotal bracket and a rectangular intermediate portion positioned between the second portion of the pivotal bracket and the cylindrical weight receiving portion. The weight bar may include a plurality of pairs of holes spaced apart along a length of the bar for receiving various attachment members for performing landmine workout movements. The training system may include other support structures to which the pivotal bracket is connected.