

LTI Patents List as of 10/09/2024

Patent	Filing Date	Patent Title	Country	Product
12,111,181	10/08/2021	Laser-Based rangefinding instrument	United States	
11,747,530	6/08/2021	Optical Baffle for a Laser Sensor	United States	TruSense
11,914,077	8/16/2018	System and Method for determination of origin displacement for a Laser Rangefinder Instrument	United States	
D850,947	2/13/2018	Laser Rangefinder	United States	Cobalt, Maven
11,168,982	2/14/2017	Laser-based rangefinding instrument	United States	Cobalt, Maven
11,016,182	10/4/2016	Through-the-lens, co-aligned optical aiming system for a phase-type, laser-based distance measuring device	United States	TruPoint 200h
EP3306343	10/3/2017	Through-the-lens, co-aligned optical aiming system for a phase-type, laser-based distance measuring device	Switzerland, Germany, Great Britain, EPC	TruPoint 200h
3226542	3/31/2017	Camera module and folded optical system for laser-based speed gun	Great Britain, Italy, Poland, EPC	TruCAM 1, TruCAM II, TruVISION
10-2191307	3/01/2013	System and Method for Monitoring Vehicular Traffic with a Laser Rangefinding and Speed Measurement Device Utilizing a Shaped Divergent Laser Beam Pattern	South Korea	
BR112014021165-5	3/1/2013	System and Method for Monitoring Vehicular Traffic with a Laser Rangefinding and Speed Measurement Device Utilizing a Shaped Divergent Laser Beam Pattern	Brazil	

2017200028	1/04/2017	System and Method for Monitoring Vehicular Traffic with a Laser Rangefinding and Speed Measurement Device Utilizing a Shaped Divergent Laser Beam Pattern	Australia	
Patent	Filing Date	Patent Title	Country	Product
11,663,910	11/1/2019	Handheld laser-based speed measurement device incorporating an automatic number plate recognition (ANPR) function	United States	
10,146,103	3/31/2016	Camera module and folded optical system for laser-based speed gun	United States	TruCAM 1, TruCAM II, TruVISION
10,423,839	11/25/2015	System for monitoring vehicular traffic	United States	
10,393,517	10/27/2014	Laser source modification techniques for a laser-based rangefinding or speed measurement instrument enabling increased range with improved accuracy	United States	
10,145,940	9/13/2012	System and method for a rangefinding instrument incorporating pulse and continuous wave signal generating and processing techniques for increased distance measurement accuracy	United States	TruPoint 200H
9,964,805	8/26/2016	Backlighting technique for liquid crystal and other displays in electronic instruments	United States	TruPoint 200h, Cobalt, Maven, GunWerks, Vortex, Bushnell
9,938,020	9/29/2015	Laser-based tail dock anti-collision system and method to preclude damage to aircraft upon their insertion into maintenance facilities	United States	Aircraft Docking System
9,897,690	10/27/2014	Technique for a pulse/phase-based laser rangefinder utilizing a single photodiode in conjunction with separate pulse and phase receiver circuits	United States	TruPoint 200H
9,879,995	9/13/2012	System and method for superimposing a virtual aiming mechanism with a projected system beam in a compact laser-based rangefinding instrument	United States	TruPoint 200H

9,784,824	10/27/2014	Pseudo-stabilization technique for laser-based speed and rangefinding instruments utilizing a rate gyroscope to track pitch and yaw deviations from the aiming point	United States	TruPulse 360
Patent	Filing Date	Patent Title	Country	Product
9,784,821	7/2/2015	Laser sensor module array for vehicle identification, speed monitoring and traffic safety applications	United States	Traffic Monitoring System
9,691,277	2/18/2011	Integrated still image, motion video and speed measurement system	United States	TruCAM I
9,576,484	3/2/2012	System and Method for Monitoring Vehicular Traffic with a Laser Rangefinding and Speed Measurement Device Utilizing a Shaped Divergent Laser Beam Pattern	United States	
2014/05957	3/1/2013	System and Method for Monitoring Vehicular Traffic with a Laser Rangefinding and Speed Measurement Device Utilizing a Shaped Divergent Laser Beam Pattern	South Africa	
9,400,326	8/27/2015	Non-Saturating Receiver Design and Clamping Structure for High Power Laser Based Rangefinding Instruments	United States	
2013315687	9/10/2013	System and method for a rangefinding instrument incorporating pulse and continuous wave signal generating and processing techniques for increased distance measurement accuracy	Australia	
2884088	9/10/2013	System and method for a rangefinding instrument incorporating pulse and continuous wave signal generating and processing techniques for increased distance measurement accuracy	Canada	
9,354,051	9/13/2012	System and Method for a Rangefinding Instrument Incorporating Pulse and Continuous Wave Signal Generating and Processing Techniques for Increased Distance Measurement Accuracy	United States	

9,213,101	9/13/2012	Self-Aligned Aiming System and Technique for a Laser Rangefinder Incorporating a Retroreflector	United States	
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Patent	Filing Date	Patent Title	Country	Product
9,151,604	10/6/2011	Non-Saturating Receiver Design and Clamping Structure for High Power Laser Based Rangefinding Instruments	United States	
9,151,603	9/13/2012	Compact Folded Signal Transmission and Image Viewing Pathway Design and Visual Display Technique for Laser Rangefinding Instruments	United States	
10-2025445	9/07/2012	Intelligent Laser Tracking System and Method for Mobile and Fixed Position Traffic Monitoring and Enforcement Applications	South Korea	
2848030	9/07/2012	Intelligent Laser Tracking System and Method for Mobile and Fixed Position Traffic Monitoring and Enforcement Applications	Canada	
9,135,816	9/8/2011	Intelligent Laser Tracking System and Method for Mobile and Fixed Position Traffic Monitoring and Enforcement Applications	United States	
2,012,304,392	9/7/2012	Intelligent Laser Tracking System and Method for Mobile and Fixed Position Traffic Monitoring and Enforcement Applications	Australia	
BR112014014005430-4	9/07/2012	Intelligent Laser Tracking System and Method for Mobile and Fixed Position Traffic Monitoring and Enforcement Applications	Brazil	
10-1534363	9/23/2008	Integrated Still Image, Motion Video and Speed Measurement System	South Korea	TruCAM 1, TruCAM II, TruVISION
PI 0817990-5	9/23/2008	Integrated Still Image, Motion Video and Speed Measurement System	Brazil	TruCAM 1, TruCAM II, TruVISION II
8,411,257	5/11/2010	Folded Path Laser Rangefinder Architecture and Technique incorporating a Single Circuit Board for Mounting of Both Laser Emitting and Detecting Elements	United States	Bushnell

8,311,343	2/12/2009	Vehicle Classification By Image Processing With Laser Range Finder	United States	TruCAM 1, TruCAM II, TruVISION
8,240,186	6/9/2008	Magnetic Sensor and Accelerometer Calibration Techniques	United States	TruPulse 360

Patent	Filing Date	Patent Title	Country	Product
2010/02007	9/23/2008	Integrated Still Image, Motion Video and Speed Measurement System	South Africa	TruCAM 1, TruCAM II, TruVISION II
7,920,080	10/19/2009	Correlated Noise and Spurious Signal Reduction	United States	
7,920,251	9/23/2008	Integrated Still Image, Motion Video and Speed Measurement System	United States	TruCAM 1, TruCAM II, TruVISION
7,619,548	6/20/2008	Correlated Noise and Spurious Signal Reduction	United States	
2,330,626	*	Remote Sensor Head for Laser Level Measurement Devices	Canada	
7,450,282	6/9/2006	High precision optical system and beam pathway design for a laserbased distance measuring device.	United States	
7,349,073	8/20/2004	Efficient optical system and beam pathway design for laser-based distance measuring device	United States	
2,303,843	*	Modularized Laser-Based Survey System	Canada	
2,263,853	*	Compact Laser-Based Distance Measuring Apparatus	Canada	
2,254,897	5/13/1997	Countermeasure Circuit for a Laser Speed Detector	Canada	
7,112,793	12/22/2004	One-Chip Compass Implemented Using Magnetoresistive (MR) Sensor Temperature Compensation and Magnetic Cross-Term Reduction Technique	United States	

2,203,278	*	Laser Range Finder	Canada	
MY-125592-A	*	Speed Detection and Image Capture System for Moving Vehicles	Malaysia	

Patent	Filing Date	Patent Title	Country	Product
7,057,173	1/5/2004	Magnetoresistive (MR) Sensor Temperature Compensation and Magnetic Cross-Term Reduction Techniques Utilizing Selective Set and Reset Gain Measurements	United States	MapStar Compass
6,985,827	11/18/2003	Speed Measurement System with Onsite Digital Image Capture and Processing for Use in Stop Sign Enforcement	United States	
2,263,918	*	Voltage Conversion Circuit for a Laser Based Distance Measurement and Ranging Instrument	Canada	
2,263,920	*	Pre-biasing Technique for a Transistor Based Avalanche Circuit	Canada	
6,738,148	*	Upper Stem Diameter Measurement and Basal Area Determination Device and Method for Utilization in Timber Cruising Applications	United States	Criterion RD 1000
6,681,195	3/19/2001	Compact Speed Measurement System with Onsite Digital Image Capture, Processing, & Portable Display	United States	
760744	4/28/1999	Remote Sensor Head for Laser Level Measurement Devices	Australia	
6,445,444	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	
6,377,186	4/19/2000	Industrial Position Sensor	United States	
6,339,468	3/17/2000	Remote Sensor Head for Laser Level Measurement Devices	United States	



776458	*	System and Associated Method for Determining and Transmitting Positional Data Utilizing Optical Signals	Great Britain, EPC	
735001	*	Modularized Laser-Based Survey System	Australia	
6,282,803	4/24/1998	Self-Calibration Circuit for Determining an Accurate Zero Compensation for a Fluxgate Compass	United States	

Patent	Filing Date	Patent Title	Country	Product
45799	*	Device, and Associated Method, for Determining Distances Between Moving Objects	Singapore	
729740	*	Compact Laser-Based Distance Measuring Apparatus	Australia	
729605	*	Laser Based Speed and Accident Reconstruction Measuring Apparatus and Method	Australia	
729572	*	Pre-biasing Technique for a Transistor Based Avalanche Circuit	Australia	
6,226,077	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	Bushnell
6,212,480	1/25/2000	Apparatus and Method for Determining Precision Reflectivity of Highway Signs and Other Reflective Objects Utilizing an Optical Range Finder Instrument	United States	
6,144,308	*	Tilt Compression Apparatus and Method for Use with a Monopod Mounted Laser Range Finder	United States	
718038	*	Voltage Conversion Circuit for a Laser Based Distance Measurement and Ranging Instrument	Australia	
6,073,352	3/19/1998	Laser Bow Sight Apparatus	United States	
6,064,330	*	Fog Piercing Ranging Apparatus and Method	United States	
6,057,910	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	Bushnell



6,057,777	7/31/1997	Industrial Position Sensor	United States	
6,055,490	7/27/1998	Apparatus and Method for Determining Precision Reflectivity of Highway Signs and Other Reflective Objects Utilizing an Optical Range Finder Instrument	United States	
714599	5/13/1997	Countermeasure Circuit for a Laser Speed Detector	Australia	
Patent	Filing Date	Patent Title	Country	Product
6,043,868	*	Distance Measurement and Ranging Instrument Having a Light Emitting Diode-Based Transmitter	United States	
6,040,897	4/29/1998	Remote Sensor Head for Laser Level Measurement Devices	United States	
5,949,529	10/28/1998	Modularized Laser-Based Survey System	United States	
5,938,717	*	Speed Detection and Image Capture System for Moving Vehicles	United States	
5,926,260	*	Compact Laser-Based Distance Measuring Equipment	United States	
5,889,583	*	Distance Measurement and Ranging Instrument Having a Light Emitting Diode-Based Transmitter	United States	
5,880,821	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	Bushnell
5,859,693	8/26/1997	Modularized Laser-Based Survey System	United States	
5,806,020	*	Laser-Based Speed and Accident Reconstruction Measuring Apparatus and Method	United States	
5,790,244	*	Pre-Biasing Technique for a Transistor Based Avalanche Circuit in a Laser-Based Distance Measurement and Ranging Instrument	United States	
5,781,147	*	Fog Piercing Ranging Apparatus and Method	United States	
D390,483	*	Design for Compact Laser-Based Distance Measuring Equipment	United States	

5,715,045	*	Countermeasure Detecting Circuit and Associated Method for a Laser Speed Detecting Apparatus	United States	
2,254,897	*	Countermeasure circuit for a laser speed detecting apparatus	Canada	
10-0278806	*	Laser range finder having selectable target acquisition characteristics and range measuring precision	South Korea	

Patent	Filing Date	Patent Title	Country	Product
5,703,678	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	Bushnell
5,696,705	*	Systems and Method for Reconstruction of the Position of Objects Utilizing a Signal Transmitting and Receiving Distance Determining Device	United States	
5,652,651	*	Laser Range Finder Having Selectable Target Acquisition Characteristics and Range Measuring Precision	United States	Bushnell
5,617,199	*	Device and Associated Method for Determining Distances Between Moving Objects	United States	
5,612,779	*	Automatic Noise Threshold Determining Circuit and Method for a Laser Range Finder	United States	
5,574,552	*	Self-Calibrating Precision Timing Circuit and Method for a Laser Ranger Finder	United States	Bushnell
5,539,513	*	System and Associated Method for Determining and Transmitting Positional Data Utilizing Optical Signals	United States	LaserCom
5,528,518	*	System and Method for Collecting Data Used to Form a Geographic Information System Database	United States	Laser Walkabout
5,418,609	*	Apparatus and method for mounting a range finding instrument to a theodolite telescope	United States	



690003	*	Laser range finder having selectable target acquisition characteristics and range	Australia	
5,521,696	*	Laser Surveying Instrument	United States	Marksman/LTI 20-20
5,359,404	*	Laser-Based Speed Measuring Device	United States	Marksman/LTI 20-20
5,291,262	*	Laser Surveying Instrument	United States	Criterion 400

Note: * Patent expired