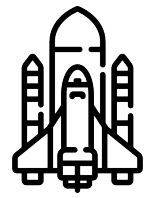


AUTOMATIC SHOOTING STABILIZATION SYSTEM



Invention Definition

The invention is an automatic shooting stabilization system designed for integration into manned or unmanned aerial, land, and sea vehicles that are equipped with full or semi-automatic weapons and incorporate a camera. The system ensures enhanced stability and accuracy during firing operations by compensating for movements and vibrations caused by vehicle motion and external factors.



Applicant

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Examination

Benefits

- Compatibility with a wide range of fully or semi-automatic weapons, enabling versatile applications.
- Effective recoil management to prevent damage to the integrated platform.
- Integrated camera system for real-time video transmission, enhancing situational awareness and accuracy.

Market Information

According to 2020 data, the market size of sentry weapons reached \$14.9 billion. This market is projected to grow significantly, with a predicted value of \$23.9 billion by 2030, representing a CAGR of 5%. As the market continues to expand rapidly, the invention is poised to capitalize on this upward trend and possesses a strong commercialization potential. With its advanced features and capabilities, it is well-positioned to cater to the increasing demand within the sentry weapons market.

Target Market

The target audience for the invention includes businesses operating within the specified NACE Code, as well as armed manned and unmanned vehicle manufacturers and users. This encompasses a range of industries involved in the development, production, and utilization of military and defence-related technologies.



Areas of Use

The invention is suitable for military applications in manned or unmanned land, air, and sea vehicles. It is expected to be highly preferred for use in the defence industry, thanks to its numerous advantages. The technology's compatibility with various platforms and weapons, effective recoil management, and integrated camera system make it an ideal choice for enhancing military capabilities and operational effectiveness.



NACE Code

Activity Definition

25.40.02

Manufacture of military weapons and their parts

Commercialization Exceptions

The expectation is to facilitate technology transfer to the target audience companies through patent licensing or transfer. This technology transfer will be supported by industry-industry cooperation projects.

As the invention is currently undergoing the registration process with positive examination report, it aligns with the TUBITAK 1702 Patent-Based Technology Transfer Support Program. The customer organization being an SME increases the support rate of TUBITAK 1702. If a potential technology transfer falls within the scope of TUBITAK 1702, the customer organization will have the opportunity to recover 25%-50% of the licensing / transfer costs.

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