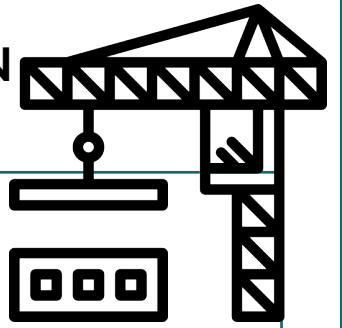


THE DEVICE THAT ENABLES CONSTRUCTION MACHINES TO WORK INTEGRATED



Invention Definition

The invention is an electronic device specifically developed to enable the integrated operation and monitoring of construction equipment in construction activities. Its primary function is to track and monitor construction equipment and materials, leading to the measurement of efficiency. By accurately tracking the movements and usage of construction equipment and materials, this device allows for precise efficiency measurements to be made. It provides valuable data that helps evaluate and optimize productivity in construction operations.



Applicant

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Country/Region

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Status

Examination

Benefits

- **Traceability of Construction Activities:** The invention enables traceability of construction activities by effectively matching construction machines and facilitating seamless data transfer.
- **Optimal Resource Allocation:** By tracking and monitoring construction machines and materials, leading to improved utilization and informed decision-making.
- **Real-time Data Insights:** By providing real-time data on machine performance and schedules, the invention enables timely decision-making.

Market Information

Based on 2022 data, the global construction machines market was valued at around \$80.4 billion. However, the target market for the invention is projected to grow significantly, reaching a valuation of \$223.1 billion by 2027. This projection indicates a compound annual growth rate (CAGR) of 4.3% during the forecast period. The increasing interest in autonomous and communicating machines is a driving factor for this growth.

Target Market

Indeed, all companies operating in the construction sector can be considered part of the target audience for the invention. This includes companies engaged in various construction activities such as building construction, infrastructure development, renovation, landscaping, and specialized construction projects.



Areas of Use

The device can be utilized in various construction and building activities that involve the use of construction equipment.



NACE Code

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Activity Definition

Specialised construction activities

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 with positive examination process, 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%-40% of the licensing / transfer costs.

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