

SMART EAR TAG FOR ANIMAL MONITORING



Description of the Invention

The invention is a smart ear tag designed for monitoring the behaviors and physiological data of animals, facilitating health management.



Applicant

Equhealth Technology
Innovation and Consulting Inc.



Inventors

Can Zeyt nl 
N ket Sivri

Country

T rkiye

Application Number

2024/013982

Status

Examination

Advantages

- By utilizing fishery waste, the invention promotes sustainable waste management and yields valuable components.
- The monitoring of animal body temperature, heart rate and respiratory activity is achieved through sensor technology, ensuring animal control and the maintenance of herd health via early diagnosis.
- The efficiency during the reproduction process is achieved through the measurement of animal body temperature.
- The animal behaviors are monitored through image capture technology, and emergency situations are detected through visual alert signals.
- The location of the animal is tracked using a GPS module and behavioral abnormalities are identified through artificial intelligence algorithms, providing feedback to the user.
- The data storage system provides real-time or long-term data, enabling the monitoring of the animal health process.

Market Information

The global livestock monitoring market was valued at 3.09 billion USD in 2023. The smart tag market, which is part of livestock monitoring technologies, was approximately 180 million USD in 2023 and it is expected to grow to 290 million USD by 2029, with a growth rate of 10%. The growth of this market indicates an increasing demand for animal monitoring and management technologies.

Target Audience

The target audience can be seen as all companies in need of animal tracking systems, primarily those operating under the specified NACE codes.

Applications

The invention is suitable for use by all commercial companies, non-profit organizations, or individual breeders engaged in small and large livestock farming, focused on remotely monitoring animals and improving animal health.



Nace Code

Activity

01.41.31

Dairy cattle farming (breeding cows and buffaloes for milk production)

01.42.09

Other cattle and buffalo farming (excluding those bred for milk production)

01.43.01

Horse and other equine animal breeding (donkeys, mules, hinnies, etc.)

01.44.01

Camel breeding

01.45.01

Sheep and goat (flock) breeding (including the production of unprocessed milk, hair, mohair, wool, etc.)

01.47.01

Poultry farming (chickens, turkeys, ducks, geese, guinea fowl, etc.)

01.47.02

Incubation activities

Expectation

The aim is to transfer technology to companies identified as the target audience through patent licensing. The aforementioned technology transfer will be supported by industry-industry collaboration projects.

Since the invention has reached the positive examination report stage, it qualifies for the T B TAK 1702 Patent-Based Technology Transfer Support Call.

Since the customer organization is an SME, in the case of technology transfer, the customer organization will be able to reclaim 25%-40% of the fees paid for licensing.

Contact

+90 212 691 60 01
kulucka@entertech.com.tr

