

A-Lock: A Bicycle Lock for Bicycle Sharing

Track Code: 2020-LAND-68939

Categories:

- Mechanical Engineering

Keywords:

- Collaboration
- design
- Industrial Design
- Mechanical Engineering
- Physical Security
- Transportation

Purdue University Industrial Design student has developed a new bicycle lock which ensures security more so than traditional locking mechanisms. The design features a spring coil system, which is activated similarly to a tape measuring device and locks a bicycle to a post or bike rack in zip-tie fashion. In addition, there is an alert given to the bicycle owner in the event of tampering or theft. The technology is intended to encourage bicycle sharing through an application.

Advantages:

- Secure
- Convenient

Potential Applications:

- Bicycles
- Security/Locking

People:

- Landis, Clayton S (Project leader)

Intellectual Property:

Application Date: August 2, 2021

Type: Utility Patent

Country of Filing: United States

Patent Number: (None)

Issue Date: (None)

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