

Title (en)
PEDAL WITH LOCKING AND UNLOCKING MECHANISM

Title (de)
PEDAL MIT VER- UND ENTRIEGELUNGSMECHANISMUS

Title (fr)
PÉDALE DOTÉE D'UN MÉCANISME DE VERROUILLAGE ET DE DÉVERROUILLAGE

Publication
EP 3806966 A4 20220209 (EN)

Application
EP 18923127 A 20180618

Priority
US 2018038113 W 20180618

Abstract (en)
[origin: WO2019245524A1] Embodiments relate to a pedal secured to a main drive and switchable between a locked mode where the pedal does not rotate relative to the main drive shaft and a released mode where the pedal rotates relative to the main drive shaft. The main drive shaft adjoins to a platform (e.g., a crank arm of a bicycle) or another system. When the user's foot or footwear is engaging the pedal, the pedal is placed in a released mode whereas when the user's foot or footwear is disengaged from the pedal, the pedal is placed in a locked mode. Embodiments also relate to a rod secured to the pedal in a rotatable manner and a cuff coupled to the rod to support retention of the user's foot or footwear in a manner that supports feet of different sizes and form factors.

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Citation (search report)

- [A] US 4898048 A 19900206 - SAMPSON ERIC A [US]
- [A] WO 8904791 A1 19890601 - GOOD JOHN M [US]
- [A] EP 0983185 A1 20000308 - ALVAREZ ORDAS [FR]
- [A] DE 4022736 A1 19920123 - LOOK SA [FR]
- See references of WO 2019245524A1

Designated contracting state (EPC)
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