

Title (en)

BRAKING AND LOCKING SYSTEM FOR A TREADMILL

Title (de)

BREMS- UND VERRIEGELUNGSSYSTEM FÜR EIN LAUFBAND

Title (fr)

SYSTÈME DE FREINAGE ET DE VERROUILLAGE POUR UN TAPIS ROULANT

Publication

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Application

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Priority

- US 201962919155 P 20190228
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- US 2020018316 W 20200214

Abstract (en)

[origin: WO2020176121A1] A locking system for a treadmill includes a locking mechanism having a locked configuration that prevents the tread from rotating in a front-to-rear direction and an unlocked configuration which allows the tread to rotate in the front-to-rear direction. A presence sensor and a weight sensor are each configured to detect the user on the treadmill, and a display is configured to receive an inputted code indicating the user is on the treadmill. The controller is configured to move the locking mechanism to the unlocked configuration in response to the controller receiving signals from at least two of the presence sensor, the weight sensor and the display indicating that the user is on the treadmill, and move the locking mechanism to the locked configuration in response to receiving signals from both of the presence sensor and the weight sensor indicating the user is not on the treadmill.

IPC 8 full level

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Citation (search report)

- [A] US 2017136289 A1 20170518 - FRANK JORDAN [US]
- [A] US 2018126248 A1 20180510 - DION BENOIT [US], et al
- [A] DE 4027317 C1 19911205
- See also references of WO 2020176275A1

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