



US009670723B2

(12) **United States Patent**
Pham et al.

(10) **Patent No.:** **US 9,670,723 B2**
(45) **Date of Patent:** **Jun. 6, 2017**

(54) **MOTOR DRIVE SYSTEM FOR WINDOW COVERING SYSTEM WITH CONTINUOUS CORD LOOP**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/934,642**

(22) Filed: **Nov. 6, 2015**

(65) **Prior Publication Data**

US 2016/0130874 A1 May 12, 2016

Related U.S. Application Data

(60) Provisional application No. 62/166,484, filed on May 26, 2015.

(51) **Int. Cl.**

E06B 9/74 (2006.01)
E06B 9/40 (2006.01)
E06B 9/68 (2006.01)

(52) **U.S. Cl.**

CPC **E06B 9/40** (2013.01); **E06B 9/68** (2013.01); **E06B 9/74** (2013.01); **E06B 2009/6818** (2013.01); **E06B 2009/6827** (2013.01)

(58) **Field of Classification Search**

CPC E06B 2009/6827; E06B 2009/6836; E06B 2009/6818; E06B 9/74

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(57) **ABSTRACT**

A motor-operated drive system for a window covering system including a headrail, a mechanism associated with the headrail to spread and retract the window covering, and a continuous cord loop extending below the headrail for actuating the mechanism to spread and retract the window covering. The drive system includes a motor, a driven wheel that engages and advances the continuous cord loop, and a coupling mechanism for coupling the driven wheel to a rotating output shaft of the motor for rotation of the driven wheel. The drive system includes a channel system for redirecting the continuous cord loop engaged by the driven wheel, or other mechanism for configuring the drive system so that continuous cord loop extends in a substantially vertical orientation. The coupling mechanism includes an engaged configuration in which rotation of the output shaft of the motor causes rotation of the driven wheel, and a disengaged configuration.

20 Claims, 20 Drawing Sheets

