



US010773926B2

(12) **United States Patent**  
**Zhao**

(10) **Patent No.:** **US 10,773,926 B2**  
(45) **Date of Patent:** **Sep. 15, 2020**

(54) **ELEVATOR BELT WITH ADDITIVE LAYER**

(56) **References Cited**

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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.

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(21) Appl. No.: **15/944,339**

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(22) Filed: **Apr. 3, 2018**

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(65) **Prior Publication Data**

European Office Action Issued in EP Application No. 18165552.3, dated Sep. 13, 2018, 8 Pages.

US 2018/0282125 A1 Oct. 4, 2018

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**Related U.S. Application Data**

(57) **ABSTRACT**

(60) Provisional application No. 62/480,864, filed on Apr. 3, 2017.

A belt for an elevator system includes a plurality of tension members arranged along a belt width and extending longitudinally along a length of the belt, a jacket material at least partially encapsulating the plurality of tension members, and a primary overlay layer applied to one or more of the plurality of tension members or at least a portion of the jacket material. An elevator system includes a hoistway, an elevator car movable therein, and a belt operably connected to the elevator car to suspend and/or drive the elevator car along the hoistway. The belt includes a plurality of tension members arranged along a belt width and extending longitudinally along a belt length, a jacket material at least partially encapsulating the plurality of tension members, and a primary overlay layer applied to one or more of the plurality of tension members or at least a portion of the jacket material.

(51) **Int. Cl.**

**B66B 7/06** (2006.01)

**B66B 9/00** (2006.01)

(Continued)

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

CPC ..... **B66B 7/062** (2013.01); **B66B 9/00** (2013.01); **D07B 1/16** (2013.01); **D07B 1/162** (2013.01);

(Continued)

(58) **Field of Classification Search**

CPC .. B66B 7/062; B66B 9/00; D07B 1/16; D07B 1/162; D07B 5/002

See application file for complete search history.

**13 Claims, 4 Drawing Sheets**

