

Title (en)  
THREAD TENSION ANOMALIES DETECTION

Title (de)  
ERFASSUNG VON FADENSPANNUNGSANOMALIEN

Title (fr)  
DÉTECTION D'ANOMALIES DE TENSION DE FIL

Publication  
**EP 3561165 A1 20191030 (EN)**

Application  
**EP 18169383 A 20180426**

Priority  
EP 18169383 A 20180426

Abstract (en)  
Provided is a braiding machine with a bobbin carrier and a sensor for detecting thread tension anomalies. The bobbin carrier comprises a compensation device including a movable member, wherein a position and/or an orientation of the movable member depends on the thread tension. During operation of the braiding machine, the bobbin carrier travels, relative to the sensor, along a curved track and the sensor measures the position and/or the orientation of the movable member when the bobbin carrier passes by the sensor.

IPC 8 full level  
**D04C 3/06** (2006.01); **D04C 3/18** (2006.01); **D04C 3/48** (2006.01)

CPC (source: EP)  
**D04C 3/06** (2013.01); **D04C 3/18** (2013.01); **D04C 3/48** (2013.01)

Citation (applicant)  
• DE 19730965 C1 19990610 - TENSOMETRIC MESTECHNIK STROEHM [DE]  
• DE 102014016381 A1 20160512 - ADMEDES SCHUESSLER GMBH [DE]

Citation (search report)  
• [AD] DE 102014016381 B4 20160714 - ADMEDES SCHUESSLER GMBH [DE]  
• [A] DE 102014014149 A1 20160324 - NIEHOFF KG MASCHF [DE]  
• [AD] DE 19730965 C1 19990610 - TENSOMETRIC MESTECHNIK STROEHM [DE]  
• [A] DE 102012223127 A1 20140618 - SGL KÜMPERS GMBH & CO KG [DE]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3561165 A1 20191030**; EP 3784826 A1 20210303; EP 3784826 B1 20220216; WO 2019206648 A1 20191031

DOCDB simple family (application)  
**EP 18169383 A 20180426**; EP 19716417 A 20190411; EP 2019059190 W 20190411