

Title (en)

Thread-guide device for the production of bobbins with traversing modulation

Title (de)

Fadenführungsgerät zur Herstellung von Spulen mit moduliertem Durchlauf

Title (fr)

Dispositif de guide-fil pour la production de bobines avec déplacement modulé

Publication

**EP 1880963 A2 20080123 (EN)**

Application

**EP 07111613 A 20070703**

Priority

IT MI20061353 A 20060712

Abstract (en)

Thread-guide device (14) with modulated traversing with an individual thread-guide (12) with a back-and-forth movement fixed to a cord (15) open at the two ends and moved between two pulleys (16a,16b) in an alternating clockwise/anticlockwise movement, each activated with its own electric motor (17a,17b), both motors being piloted in frequency. The pulleys (16a,16b) are connected to springs (18a,18b) which pull the thread-guide (12) towards the centre of its run and which alternately accumulate and release energy with every run of the thread-guide.

IPC 8 full level

**B65H 54/28** (2006.01); **B65H 54/38** (2006.01)

CPC (source: EP US)

**B65H 54/2821** (2013.01 - EP US); **B65H 54/386** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (applicant)

- EP 0838422 A1 19980429 - SSM AG [CH]
- EP 1498378 A1 20050119 - SAURER GMBH & CO KG [DE]
- EP 1159217 A1 20011205 - SCHLAFHORST & CO W [DE]
- US 6311919 B1 20011106 - HERMANN'S FERDINAND-JOSEF [DE], et al
- EP 0302461 A1 19890208 - SCHUBERT & SALZER MASCHINEN [DE]
- DE 19963232 A1 20010705 - VOLKMANN GMBH [DE]

Cited by

DE102008017302A1; DE102009022061A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1880963 A2 20080123**; **EP 1880963 A3 20080206**; **EP 1880963 B1 20100908**; AT E480487 T1 20100915; CN 101104488 A 20080116; CN 101104488 B 20120829; DE 602007008990 D1 20101021; IT MI20061353 A1 20080113; US 2008011892 A1 20080117

DOCDB simple family (application)

**EP 07111613 A 20070703**; AT 07111613 T 20070703; CN 200710128790 A 20070712; DE 602007008990 T 20070703; IT MI20061353 A 20060712; US 82735807 A 20070711