

Title (en)

High-frequency thread-guide device for the production of bobbins with modulated traversing

Title (de)

Hochfrequenz Fadenführungsgerät zur Herstellung von Spulen mit moduliertem Durchlauf

Title (fr)

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

Publication

EP 1880964 A3 20080206 (EN)

Application

EP 07111842 A 20070705

Priority

IT MI20061354 A 20060712

Abstract (en)

[origin: EP1880964A2] Thread-guide device (18) with modulated traversing with an individual thread-guide (15) having a back-and-forth movement fixed to a flexible element (19), moved between two pulleys (20a,20b) in an alternating clockwise/anticlockwise movement, each driven by its own electric motor (21a,21b), both motors being piloted and coordinated to a control unit.

IPC 8 full level

B65H 54/28 (2006.01); **B65H 54/38** (2006.01); **B65H 54/32** (2006.01)

CPC (source: EP US)

B65H 54/2821 (2013.01 - EP US); **B65H 54/32** (2013.01 - EP US); **B65H 54/386** (2013.01 - EP US); **B65H 2555/13** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0302461 A1 19890208 - SCHUBERT & SALZER MASCHINEN [DE]
- [X] DE 19963232 A1 20010705 - VOLKMANN GMBH [DE]
- [X] WO 0055082 A1 20000921 - MUENNEKEHOFF GERD [DE], et al
- [DYA] US 6311919 B1 20011106 - HERMANN'S FERDINAND-JOSEF [DE], et al
- [A] EP 0453622 A1 19911030 - SSM AG [CH]
- [A] EP 1004532 A1 20000531 - SSM AG [CH]
- [YA] WO 9931000 A1 19990624 - BARMAG BARMER MASCHF [DE], et al
- [A] EP 0311784 A1 19890419 - BARMAG BARMER MASCHF [DE]

Cited by

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 1880964 A2 20080123; **EP 1880964 A3 20080206**; **EP 1880964 B1 20101124**; AT E489320 T1 20101215; CN 101104487 A 20080116; CN 101104487 B 20120829; DE 602007010695 D1 20110105; IT MI20061354 A1 20080113; US 2008011891 A1 20080117

DOCDB simple family (application)

EP 07111842 A 20070705; AT 07111842 T 20070705; CN 200710128786 A 20070712; DE 602007010695 T 20070705; IT MI20061354 A 20060712; US 82728607 A 20070711