Title (en)
METHOD FOR OPERATING A SPINDLE OF A TWO-FOR-ONE TWISTER OR CABLING MACHINE

Title (de)
VERFAHREN ZUM BETREIBEN EINER SPINDEL EINER DOPPELDRAHTZWIRN- ODER KABLIERMASCHINE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UNE BROCHE D'UNE MACHINE À RETORDRE À DOUBLE TORSION OU D'UNE MACHINE DE CÂBLAGE

Publication
EP 2315864 B1 20120208 (DE)

Application
EP 09776656 A 20090527

Priority
• EP 2009003760 W 20090527
• DE 102008033849 A 20080719

Abstract (en)
[origin: US2011126506A1] A two-for-one twister or cabling machine and a method for operation thereof, wherein a yarn (5, 25) is withdrawn from a supply bobbin (7, 21) and fed to a guide device below a twisted yarn plate (8, 24) of the spindle (2, 22) and from which the yarn (5, 25) exits virtually perpendicular to the axis of the spindle (2, 22) and is deflected to the outer edge of the twisted yarn plate (8, 24) and runs along the spindle (2, 22) as a free yarn balloon (B) encompassing the spindle (2, 22), until the yarn (5, 25) is fed into the twist or cabling point of a yarn guide device (9, 27) above the spindle (2, 22). The supply speed of the yarn (5, 25) is adjusted to achieve a yarn tension which minimizes the yarn balloon diameter as a function of the spindle geometry.

IPC 8 full level
D01H 1/10 (2006.01); **D01H 7/86** (2006.01); **D01H 13/10** (2006.01); **D02G 3/28** (2006.01)

CPC (source: EP KR US)
D01H 1/10 (2013.01 - EP KR US); **D01H 7/86** (2013.01 - EP KR US); **D01H 13/102** (2013.01 - KR); **D01H 13/108** (2013.01 - EP US); **D01H 13/32** (2013.01 - KR); **D02G 3/285** (2013.01 - EP US)

Cited by
DE102014019655A1; DE102016001099A1; EP3208370A1; US11235945B2

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
US 2011126506 A1 20110602; **US 8256199 B2 20120904**; AT E544890 T1 20120215; CN 102099516 A 20110615; CN 102099516 B 20140903; DE 102008033849 A1 20100121; EP 2315864 A1 20110504; EP 2315864 B1 20120208; ES 2377603 T3 20120329; JP 2011528756 A 20111124; KR 101402824 B1 20140603; KR 20110031927 A 20110329; WO 2010009786 A1 20100128

DOCDB simple family (application)
US 200913054687 A 20090527; AT 09776656 T 20090527; CN 200980128114 A 20090527; DE 102008033849 A 20080719; EP 09776656 A 20090527; EP 2009003760 W 20090527; ES 09776656 T 20090527; JP 2011517765 A 20090527; KR 20107029393 A 20090527