Title (en)
Spinning machine with yarn accumulating roller

Title (de)
Spinnmaschine mit Garnspeicher-Rolle

Title (fr)
Machine à filer avec rouleau accumulateur de fil

Publication
EP 2298971 B1 20120711 (EN)

Application
EP 10162086 A 20100506

Priority
JP 2009186065 A 20090810

Abstract (en)
[origin: EP2298971A1] A spinning frame includes a yarn accumulating roller (21), an electric motor (25), and a unit controller (60). The yarn accumulating roller (21) temporarily accumulates a spun yarn produced by a spinning device (9) by winding the spun yarn around an outer peripheral surface thereof and rotating. The electric motor (25) drives and rotates the yarn accumulating roller (21). The unit controller (60) carries out a first control to control the electric motor (25) to rotate the yarn accumulating roller backward when it is necessary to unwind the spun yarn wound around the yarn accumulating roller. Next, the unit controller (60) carries out a second control to control the electric motor (25) to rotate the yarn accumulating roller (21) backward at a speed which is higher than a rotational speed during the first control. Then, the unit controller (60) carries out a control to spin off a yarn entangled with a flyer (38) or the like by temporarily increasing a backward rotational speed of the yarn accumulating roller (21) during the second control.

IPC 8 full level
D01H 4/48 (2006.01); **B65H 51/22** (2006.01); **D01H 9/08** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **D01H 4/48** (2013.01); **D01H 9/08** (2013.01); **D01H 13/10** (2013.01); B65H 2701/31 (2013.01)

Cited by
ITUB20155174A1; EP2361867A3; EP2573217A3; EP2573224A3; EP2573225A3; WO2017072641A1

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 SE SI SK SM TR

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