

Title (en)
Yarn winding machine

Title (de)
Garnwicklungsmaschine

Title (fr)
Machine de renvideur de fil

Publication
EP 2690047 A2 20140129 (EN)

Application
EP 13175704 A 20130709

Priority
JP 2012167373 A 20120727

Abstract (en)
An automatic winder 10 includes a plurality of winding units 11, a plurality of yarn defect detecting devices 31, and a comparing section 42. The plurality of the winding units 11 forms a package 18 by unwinding a yarn 16 wound around a yarn supplying bobbin 15. Each of the plurality of the yarn defect detecting devices 31 is mounted in each of the plurality of the winding units 11, and detects a yarn defect of the yarn 16 wound by each of the winding units 11. A comparing section 42 compares detection results of the plurality of the yarn defect detecting devices 31. The comparing 42 also calculates a tendency of occurrence of the yarn defect in accordance with the detection results of the plurality of the yarn defect detecting devices 31, and compares the tendency of occurrence with the detection result of the yarn defect detecting device 31.

IPC 8 full level
B65H 63/06 (2006.01)

CPC (source: EP)
B65H 63/062 (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
JP 2011020837 A 20110203 - MURATA MACHINERY LTD

Cited by
CN111060418A; CZ306820B6; US10197548B2

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 2690047 A2 20140129; **EP 2690047 A3 20150121**; **EP 2690047 B1 20160210**; CN 103569792 A 20140212; CN 103569792 B 20170412; JP 2014024654 A 20140206

DOCDB simple family (application)
EP 13175704 A 20130709; CN 201310238859 A 20130617; JP 2012167373 A 20120727