

Title (en)

MANAGEMENT SYSTEM FOR FINE SPINNING WINDER AND FINE SPINNING WINDER

Title (de)

VERWALTUNGSSYSTEM FÜR EINEN FEINDRAHTWICKLER UND FEINDRAHTWICKLER

Title (fr)

SYSTEME DE GESTION POUR ENROULEUR DE FILAGE FIN ET ENROULEUR DE FILAGE FIN

Publication

EP 2455317 A1 20120523 (EN)

Application

EP 10799576 A 20100630

Priority

- JP 2010004318 W 20100630
- JP 2009169563 A 20090717

Abstract (en)

Provided is a management system for a fine spinning winder, which enables a tendency of occurrence of fluff in a yarn spun by a fine spinning unit to be automatically analyzed on a unit basis of a bobbin. A tray on which a bobbin (23) wound with a yarn by a spinning frame (2) is set has an RF tag capable of recording thereon information for identifying a fine spinning unit (32) that has wound the yarn on the bobbin (23) set on this tray. A rewinding unit (31) includes a clearer (15), a unit control section, and an RF reader (5). A quality inspection section of an automatic winder records the amount of fluff together with the length of the unwound yarn obtained when the clearer (15) detected this amount of fluff, and performs a quality inspection, on a unit basis of the bobbin (23), on the yarn spun by the fine spinning unit (32).

IPC 8 full level

B65H 67/06 (2006.01); **B65H 54/70** (2006.01); **B65H 63/06** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP)

B65H 67/063 (2013.01); **D01H 9/02** (2013.01); **D01H 9/187** (2013.01); **D01H 13/32** (2013.01); **B65H 2701/31** (2013.01)

Cited by

DE102015009319A1; EP3305702A4; EP3705431A1; EP3636569A1; EP3626660A4; EP3919426A1; EP3964467A1; EP3696637A1; WO2020170097A1; US11977371B2

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

DOCDB simple family (publication)

EP 2455317 A1 20120523; **EP 2455317 A4 20130410**; **EP 2455317 B1 20140402**; **EP 2455317 B2 20171025**; CN 102471009 A 20120523; CN 102471009 B 20131023; JP 2011020837 A 20110203; WO 2011007512 A1 20110120

DOCDB simple family (application)

EP 10799576 A 20100630; CN 201080032272 A 20100630; JP 2009169563 A 20090717; JP 2010004318 W 20100630