

Title (en)
YARN PROCESSING FACILITY

Title (de)
GARNVERARBEITUNGSANLAGE

Title (fr)
INSTALLATION DE TRAITEMENT DE FIL

Publication
EP 4194385 A1 20230614 (EN)

Application
EP 22208040 A 20221117

Priority
JP 2021198386 A 20211207

Abstract (en)
An object of the present invention is to accurately estimate a timing of the end of unwinding of a yarn from a yarn supply package. An information management unit 110 of a yarn processing facility 100 is configured to acquire actual all unwinding time information regarding actual all unwinding time by using a detection result of a yarn detection sensor 24, and the actual all unwinding time is actual time from the start to end of unwinding of a yarn Y from a predetermined yarn supply package Ps1 among yarn supply packages Ps. The information management unit 110 is configured to acquire corrected estimation information by using the actual all unwinding time information, and the corrected estimation information is usable for estimating a timing of the end of unwinding of a yarn Y from a yarn supply package Ps from which the yarn Y is to be unwound after the yarn supply package Ps1.

IPC 8 full level
B65H 49/12 (2006.01); **B65H 63/08** (2006.01); **B65H 67/02** (2006.01)

CPC (source: CN EP)
B65H 49/12 (2013.01 - EP); **B65H 61/00** (2013.01 - CN); **B65H 63/086** (2013.01 - CN EP); **B65H 67/02** (2013.01 - CN EP); **B65H 67/0405** (2013.01 - CN); **B65H 67/044** (2013.01 - CN); **B65H 67/06** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)
• JP 2003526584 A 20030909
• JP 5873105 B2 20160301
• JP H06212521 A 19940802 - MURATA MACHINERY LTD
• JP 2002088605 A 20020327 - AIKI SEISAKUSHO KK

Citation (search report)
[XA] EP 1284230 A1 20030219 - TEIJIN LTD [JP]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4194385 A1 20230614; CN 116238966 A 20230609; JP 2023084670 A 20230619; TW 202323174 A 20230616

DOCDB simple family (application)
EP 22208040 A 20221117; CN 202211411227 A 20221111; JP 2022179379 A 20221109; TW 111144211 A 20221118