

Title (en)  
YARN PROCESSING FACILITY

Title (de)  
GARNVERARBEITUNGSANLAGE

Title (fr)  
INSTALLATION DE TRAITEMENT DE FIL

Publication  
**EP 4032842 A1 20220727 (EN)**

Application  
**EP 22150929 A 20220111**

Priority  
JP 2021010281 A 20210126

Abstract (en)  
A yarn processing facility which is able to significantly improve production management is provided. An information management unit 110 of a yarn processing facility 100 is able to acquire initial amount information regarding an initial amount of a yarn Y in a yarn supply package Ps before the start of unwinding of the yarn Y, an unwinding unit amount information regarding an amount of the yarn Y unwound from the yarn supply package Ps per unit the, and unwinding unit amount information regarding an unwinding start time at which the unwinding of the yarn Y from the yarn supply package Ps starts. By performing a calculation using these sets of information, it is possible to, for example, precisely predict a timing of the end of the unwinding of the yarn Y from the yarn supply package Ps and to regularly estimate the progress of the unwinding of the yarn Y.

IPC 8 full level  
**B65H 49/12** (2006.01); **B65H 63/00** (2006.01); **B65H 63/08** (2006.01); **B65H 67/02** (2006.01)

CPC (source: CN EP)  
**B65H 49/12** (2013.01 - EP); **B65H 49/32** (2013.01 - CN); **B65H 54/28** (2013.01 - CN); **B65H 54/40** (2013.01 - CN); **B65H 63/00** (2013.01 - CN EP); **B65H 63/006** (2013.01 - EP); **B65H 63/086** (2013.01 - EP); **B65H 67/02** (2013.01 - CN EP); **B65H 67/0411** (2013.01 - CN); **B65H 67/081** (2013.01 - CN); **B65H 71/00** (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)  
• [IA] US 2001037545 A1 20011108 - STUTTEM MANFRED [DE]  
• [ID] WO 2020127489 A1 20200625 - OERLIKON TEXTILE GMBH & CO KG [DE]  
• [IA] US 2019177108 A1 20190613 - CHARLES EATON DAVID [GB], et al

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 4032842 A1 20220727**; CN 114789942 A 20220726; JP 2022114445 A 20220805; TW 202235356 A 20220916

DOCDB simple family (application)  
**EP 22150929 A 20220111**; CN 202210015186 A 20220107; JP 2022000566 A 20220105; TW 111101446 A 20220113